For Research Use Only

Cytokeratin 18 Polyclonal antibody Catalog Number: 18708-1-AP 4 Publications



Size: GeneID (NCB): Recommended Dilutions: 130ul., Concentration: 350 ug/m by Baddow 3875 WB 15:00-12:000 Nanodrop and 257 ug/m by Baddow UNPROT ID: Postave Rabbit Full Name: Full Name: Full Name: Rabbit Keratin 18 Full Name: Full Name: Rabbit Calculated MW: 48 kDa Observed MW: 48 kDa Diserved MW: ABplications: WB, HC, IF/ICC, IP, ELSA WB 2431 cells, COLO 320 cells, HepG2 cells IFC, IF Species Specificity: Full Name read cell carcinoma tissue, human and tidney numan endometrial cancer tissue, human skin can Cited Species: mouse, pig. bovine WB:260-1205 Moto-H/C: Suggested antiger retrieval with FICC : HepG2 cells, Background Information Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are cassified into two major sequence types. Type I keratins are a group of addic intermediate filament proteins are a group of addic intermediate filament proteins are the basic or neutral courteparts to the addit proteins hat Heast Tais. Background Information Keratins grass and bags family of proteins that form the intermediate filament group and addic intermediate filament proteins are a group of addic intermediate filament proteins are basinde on the addit gradi	Basic Information	Catalog Number: 18708-1-AP	GenBank Accession Number: BC 000180		Purification Method: Antigen affinity purification	
Notic: Full Name: [F/ICC 1:50-1:500] Nabbit kerdin 18 [F/ICC 1:50-1:500] Isotype: Calculated MW: 48 kDa Observed MW: 48 kDa Observed MW: Applications Tested Applications: Positive Controls: WB: HC, IF/ICC, IP, EUSA WB: Ad31 cells, COL0 320 cells, HepG2 cells Cited Applications: IP: Ad31 cells, IP: Ad31 cells, HC, IF Species Specificity: WB: Ad31 cells, COL0 320 cells, human breast cance tissue, human ordineriat cancer tissue, human and nedmoeriat cancer tissue, human skin can tissue, human skin can tissue, human real-cell carcinom tissue, human skin can tissue human reat cell carcinom at tissue, human skin can tissue human reat cells (PF pH 6.0) Background Information Keratins are a large family of proteins that form the intermediate filament proteined ac VCR PIG Read and ac VCR PIG Read and actor commonly found members of the intermediate filament proteined ac vortex PIG Read and ad account on ad duccat carcinomas but in squamous epithelia and is present in a majority of PIG6 and KB, is the addit type I keratin shi Hair Mean Stripe II keratin san a group of addic intermediate filament proteins but in squamous epithelia and is present in a majority of PIG6 and KB, is the addit type I keratin shi hair Mean Stripe II keratin shi a type I keratin which is fou protein stat the meeti		Size: 150ul , Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3875 UNIPROT ID:		Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
IgC AB kba Observed MW: 48 kba Applications Tested Applications: WB, IHC, IF/C, IP, EUSA Cited Applications: IHC, IF Positive Controls: WB: A431 cells, COLO 320 cells, HepG2 cells Species Specificity: human IP: A431 cells, COLO 320 cells, HepG2 cells IP: A431 cells, COLO 320 cells, HepG2 cells Cited Applications: IHC, IF IP: A431 cells, COLO 320 cells, HepG2 cells IP: A431 cells, CoLO 320 cells, HepG2 cells Species Specificity: human IP: A431 cells, COLO 320 cells, HupG2 cells IP: A431 cells, CoLO 320 cells, HupG2 cells Moman Cited Species: mouse, Pig bovine IP: A431 cells, CoLO 320 cells, HupG2 cells IP: A431 cells, CoLO 320 cells, HupG2 cells Background Information Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of addic intermediate filament proteins including K9423, and the hair keratins Pia-Hb6, KT13, also aned a CY142, PiG6 and 413, bit set most commonly found members of the intermediate filament groutemat a set he adjit cells, which are classified into two major sequence types. Type I keratins are a group of addic intermediate filament proteins including K9423, and the hair keratins. Pib-Hb6, KT13, Bits an end a CY142, PiG6 and 413, bit set most commonly found members of the intermediate filament groutemat a cutare prive keratin which is four primarily in non squamous epithelia and is present in anajority of ademocarinomas and ducal carcinomas abut in squamous cell carcinomas. This antibody is specifically agi						
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WB, IHC, IF/ICC, IP, EUSA WB, IAG31 cells, COLD 320 cells, HepG2 cells Cited Applications: IP: A431 cells, IHC, IF IHC Species Specificity: IHC human Cited Species: mouse, Pig, Bovine IHC Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate IF/ICC: HepG2 cells, Background Information Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins including K9-K23, and the hair keratins, H1a-HaB. Type II keratins are a social courterparts to the acidi type I keratins, including 1C-K43, and the hair keratins, H1a-HaB. Type II keratins are the basic or neutral courterparts to the acidi type I keratins, including 1C-K43, and the hair keratins, H1a-HaB. Type II keratins are a type I keratin which is fou primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but in squamous cell carcinomas. This antibody is specifically agianst IRT18. Notable Publications Author Pubmed ID Journal Application In-Song An 36497149 Cells IHC Ji-Song An 36497149 Cells IHC Ji Cheng 36040348 J Agric Food Chem IF S						
With Info. (FIGC, FLOSA WB: A431 cells, COLO 320 cells, HepG2 cells Cited Applications: (F): A431 cells, HC, IF Species Specificity: human (Cited Specific): mouse, pig, bovine human new of the super	Applications	WB IHC IE/ICC IP ELISA		Positive Cont	e Controls:	
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Species Specificity: human IHC: human colon cancer tissue, human breast cancer tissue, human incomertissue, hu				IP : A431 cells,		
Cited Species: mouse, pig. bovine nephroblastoma tissue, human reval cell carcinoma tissue, human skin can tissue Note-HLC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 tissue Background Information Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins including K9-K23, and the hair keratins, H1-H3a. Type II keratins are the basic or neutral courterparts to the acidi type I keratins, including K1-K3, and the hair keratins, H1-H5b, KRT also named as CYK18, PICA and K18, is to most commonly found members of the intermediate filament gene family, KRT 8 is a type I keratin which is four primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but in squamous cell carcinomas. This antibody is specifically agianst KRT 18. Notable Publications Author Pubmed ID Journal Application Dhanushka Hewa Bostanthirige 3584/281 Oncoscience IHC Jin-Song An 36497149 Cells IHC Ji Cheng 36040348 J Agric Food Chem IF Storage Storage Buffer: PS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage		Species Specificity:	tissue, human endometria		n endometrial cancer tissue, human	
TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IF/ICC: HepG2 cells, Background Information Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral courterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6, KRT18 is a type I kerati which is four primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but in squamous cell carcinomas. This antibody is specifically agianst KRT18. Notable Publications Author Pubmed ID Journal Application Dhanushka Hewa Bostanthirige 33884281 Oncoscience IHC Jin-Song An 36040348 J Agric Food Chem IF Storage: Storage Storage Storage Storage Storage Storage Storage Aliquoting is unnecessary for -20°C storage		Cited Species:		nephroblasto	-	
Retrieval may be performed with citrate buffer pH 6.0 Background Information Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins including K9-K32, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral courterparts to the acidic type I keratins, including K1-K8, and the hair keratins Ha1-Hb6. KRT 18, also named as CYK18, PIG46 and K18, is the most commonly found members of the intermediate filament gene family. KRT 18 is a type I keratin which is four primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas ture in squamous cell carcinomas. This antibody is specifically agianst KRT 18. Notable Publications Author Pubmed ID Journal Application Dhanushka Hewa Bostanthirige 3384281 Oncoscience IHC Jin-Song An 36497149 Cells IHC Ji Cheng 36040348 J Agric Food Chem IF Storagee Storage User: PS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage						
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Selected Validation Data

temperature for 1.5 hours.





A431 cells were subjected to SDS PAGE followed by western blot with 18708-1-AP (Cytokeratin 18 antibody) at dilution of 1:1000 incubated at room 2000ug. IP result of anti-Cytokeratin 18 (IP:18708-1-AP, 4ug; Detection:18708-1-AP 1:500) with A431 cells lysate 2000ug.



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 18708-1-AP (Cytokeratin 18 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 18708-1-AP (Cytokeratin 18 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 18708-1-AP (Cytokeratin 18 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).