

Nur für Forschungszwecke

Cytokeratin 18 Polyklonaler Antikörper



Katalog-Nr.:10830-1-AP

84 Publikationen

Allgemeine Informationen

Katalog-Nr.: 10830-1-AP	GenBank-Zugangsnummer: BC000180	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 450 µg/ml von Nanodrop;	GeneID (NCBI): 3875	Empfohlene Verdünnungen: WB 1:2000-1:16000
Wirt: Kaninchen	Vollständiger Name: keratin 18	IP 0.5-4.0 ug für IP und 1:1000-1:4000 für WB
Isotyp: IgG	Berechnete Masse: 48 kDa	IHC 1:200-1:1000
Immunogen Katalognummer: AG1260	Beobachtete Masse: 48 kDa	IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
FC, IF, IHC, WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Ente, Hausschwein, Human, Maus, Ratte, Rind

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HeLa-Zellen, A431-Zellen, K-562-Zellen

IP : A431-Zellen,

IHC : humanes Mammakarzinomgewebe, humanes Endometriumkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, humanes Lungenkarzinomgewebe, humanes Magenkrebsgewebe, humanes Nierengewebe, humanes Nierenzellkarzinomgewebe, humanes Ovarialkarzinomgewebe, humanes Pankreaskarzinomgewebe, humanes Prostatakarzinomgewebe

IF : HepG2-Zellen, HeLa-Zellen, Maus-Riechepithelgewebe

Hintergrundinformationen

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 counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT18, also named as CYK18, PIG46 and K18, is the most commonly found members of the intermediate filament gene family. KRT18 is a type I keratin which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ahmed Ghallab	34685496	Cells	IHC
Linlin Zhang	32954430	J Anim Sci	IF
Wenbin Xu	33061289	Drug Des Devel Ther	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

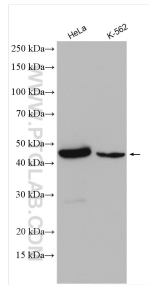
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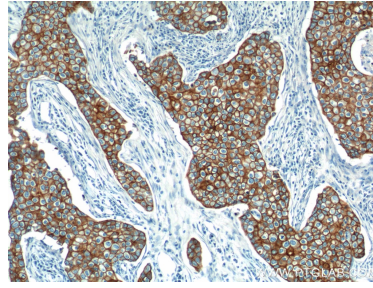
E: proteintech@ptglab.com
W: ptglab.com

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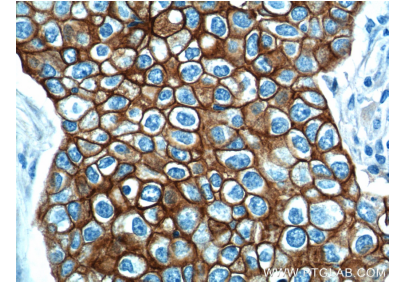
Ausgewählte Validierungsdaten



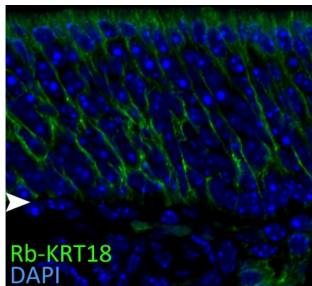
Various lysates were subjected to SDS PAGE followed by western blot with 10830-1-AP (Cytokeratin 18 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



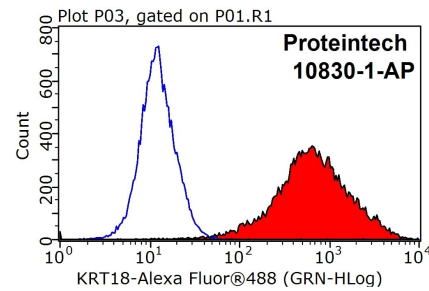
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10830-1-AP (Cytokeratin 18 antibody at dilution of 1:1000 (under 10x lens).



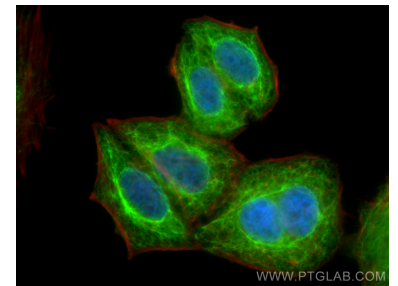
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10830-1-AP (Cytokeratin 18 antibody at dilution of 1:1000 (under 40x lens).



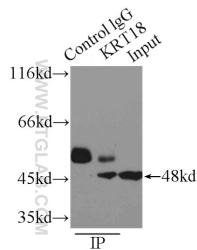
IF result of CK18 antibody (10830-1-AP, 1:50) with 1% PLP fixed the apical sustentacular cells of adult mouse olfactory epithelium. (Green: CK18; Blue: DAPI). Basal lamina is marked by an arrow head. By Brian Lin, Tufts University.



1×10^6 MCF-7 cells were stained with 0.2ug Cytokeratin 18 antibody (10830-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Cytokeratin 18 antibody (10830-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-Cytokeratin 18 (IP:10830-1-AP, 3ug; Detection:10830-1-AP 1:2000) with A431 cells lysate 3300ug.