

For Research Use Only

Cytokeratin 16 Monoclonal antibody

Catalog Number: 66802-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number:

66802-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 541 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11240

GenBank Accession Number:

BC039169

GeneID (NCBI):

3868

UNIPROT ID:

P08779

Full Name:

keratin 16

Calculated MW:

473 aa, 51 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

2H4D8

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:2000-1:8000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, human milk, A549 cells

IHC : human tonsillitis tissue, human cervical cancer tissue, human skin cancer tissue

IF/ICC : A431 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 counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin 16 is a type I cytokeratin. It is paired with keratin 6 in a number of epithelial tissues, including nail bed, esophagus, tongue, and hair follicles.

Notable Publications

Author	Pubmed ID	Journal	Application
Maha Elazezy	34359774	Cancers (Basel)	WB,IHC,IF
Xing Ren	39383566	J Photochem Photobiol B	WB
Ming-Yue Li	38901654	Genomics	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

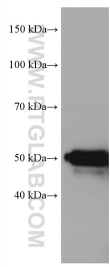
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

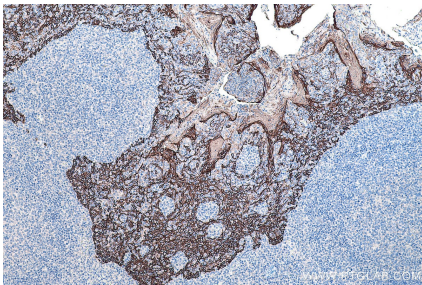
E: proteintech@ptglab.com
W: ptglab.com

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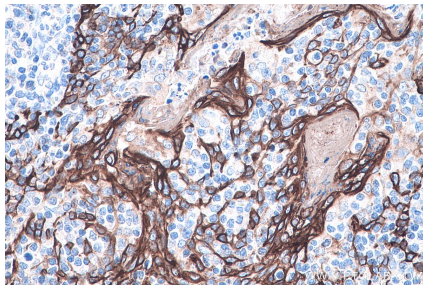
Selected Validation Data



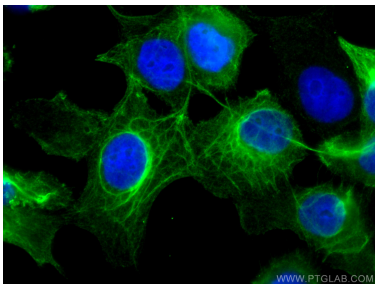
A431 cells were subjected to SDS PAGE followed by western blot with 66802-1-Ig (Cytokeratin 16 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66802-1-Ig (Cytokeratin 16 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66802-1-Ig (Cytokeratin 16 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using Cytokeratin 16 antibody (66802-1-Ig, Clone: 2H4D8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66802-1-Ig (Cytokeratin 16 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).