

For Research Use Only

Cytokeratin 34 Polyclonal antibody

Catalog Number: 20449-1-AP



Basic Information

Catalog Number: 20449-1-AP	GenBank Accession Number: BC041070	Purification Method: Antigen affinity purification
Concentration: 1000 ug/ml	GeneID (NCBI): 3885	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O76011	IHC 1:50-1:500
Isotype: IgG	Full Name: keratin 34	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG14295	Calculated MW: 436 aa, 49 kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse

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 : HeLa cells, A375 cells, A431 cells, HepG2 cells, L02 cells, mouse skin tissue

IHC : human skin cancer tissue, human lung squamous cell carcinoma tissue

IF/ICC : HepG2 cells,

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). KRT 34 is a type I keratin.

Storage

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

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

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

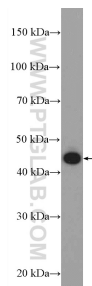
T: 4006900926

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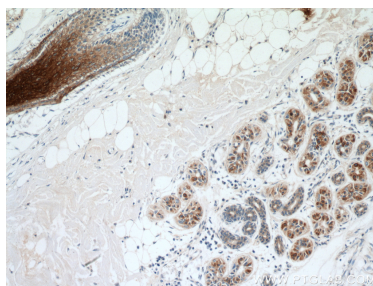
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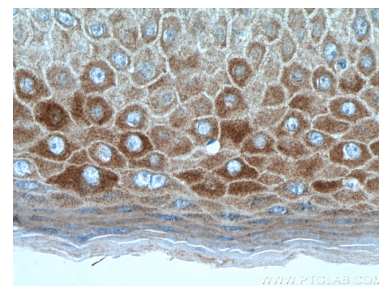
Selected Validation Data



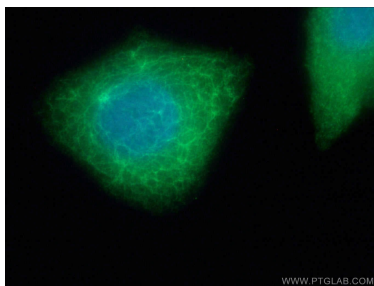
HeLa cells were subjected to SDS PAGE followed by western blot with 20449-1-AP (KRT34 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 20449-1-AP (KRT34 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 20449-1-AP (KRT34 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 20449-1-AP (KRT34 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).