

For Research Use Only

Cytokeratin 2e Polyclonal antibody

Catalog Number: 21725-1-AP



Basic Information

Catalog Number: 21725-1-AP	GenBank Accession Number: BC096294	Purification Method: Antigen affinity purification
Size: 380 µg/ml	GeneID (NCBI): 3849	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: P35908	
Isotype: IgG	Full Name: keratin 2	
Immunogen Catalog Number: AG16384	Calculated MW: 639 aa, 66 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse, rat

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, mouse skin tissue, rat skin tissue.

IHC : human cervical cancer tissue, human oesophagus cancer tissue

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). Keratin 2 is a type II cytokeratin. It is found largely in the upper spinous layer of epidermal keratinocytes, and also in other regions, notably the epidermis covering the knee, thigh, and groin.

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

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

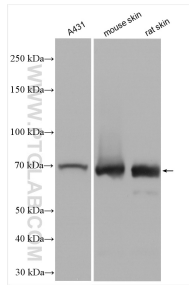
T: 4006900926

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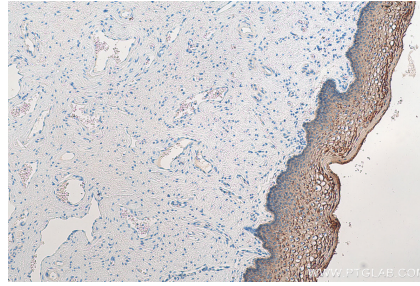
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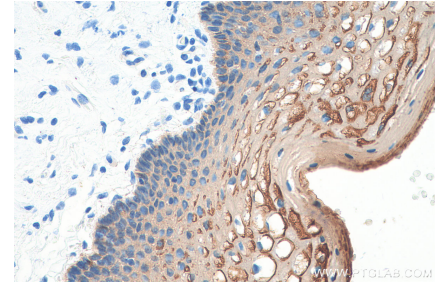
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21725-1-AP (KRT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 21725-1-AP (KRT2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 21725-1-AP (KRT2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).