

Cytokeratin 5 Recombinant antibody

Catalog Number: 82548-7-RR

Basic Information

Catalog Number: 82548-7-RR	GenBank Accession Number: BC024292	Purification Method: Protein A purification
Size: 100ul , Concentration: 817 µg/ml by Nanodrop;	GeneID (NCBI): 3852	CloneNo.: 4N17
Source: Rabbit	UNIPROT ID: P13647	Recommended Dilutions: IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: keratin 5	
Immunogen Catalog Number: AG24184	Calculated MW: 590 aa, 62 kDa	

Applications

Tested Applications:

IF, IHC, ELISA

Species Specificity:

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:

IHC : human lung cancer tissue, human Mesothelioma tissue

IF/ICC : A431 cells, HeLa 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). Keratin 5, one 58-kD type II keratin, is coexpressed with a 50-kD keratin 14 in stratified squamous epithelia.

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**

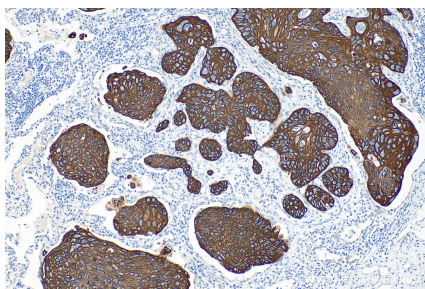
For technical support and original validation data for this product please contact:

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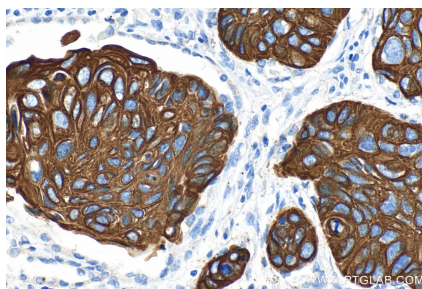
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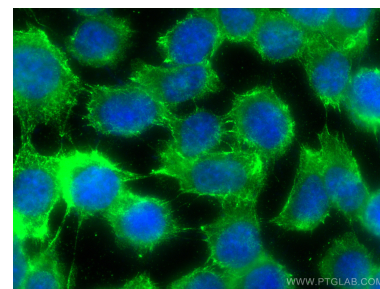
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma tissue slide using 82548-7-RR (KRT5 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 lung squamous cell carcinoma tissue slide using 82548-7-RR (KRT5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using KRT5 antibody (82548-7-RR, Clone: 4N17) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).