

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:	817 µg/ml	GenID (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/ICC, IHC, ELISA	Positive Controls:	
Species Specificity:	Human	IHC :	human lung cancer tissue, human Mesothelioma tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			IF/ICC : A431 cells, HeLa cells

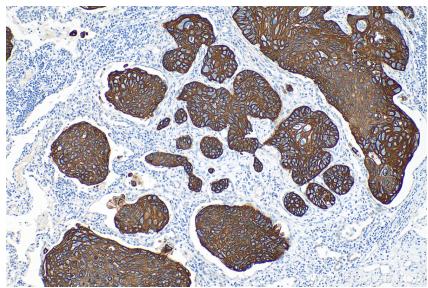
Background Information

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-kDa type II keratin, is coexpressed with a 50-kDa keratin 14 in stratified squamous epithelia.

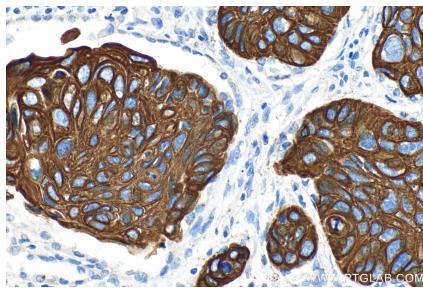
Storage

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

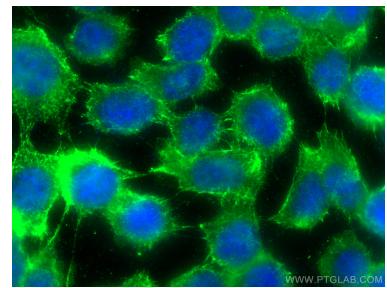
Selected Validation Data



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).