

For Research Use Only

Cytokeratin 14 Recombinant antibody



Catalog Number: 82824-1-RR

Basic Information

Catalog Number: 82824-1-RR	GenBank Accession Number: BC002690	Purification Method: Protein A purification
Size: 100ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 3861	CloneNo.: 1L19
Source: Rabbit	Full Name: keratin 14	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:400-1:1600
Isotype: IgG	Calculated MW: 472 aa, 52 kDa	
Immunogen Catalog Number: AG17559	Observed MW: 52 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 : mouse skin tissue, rat skin tissue

IHC : human oesophagus cancer tissue, mouse skin tissue

Background Information

Cytokeratin 14, one of about 20 different cytoke­ratin iso­types of human cells, is the inter­me­di­ate filament protein charac­ter­is­tic of epi­thelial cells. Cytoke­ratin 14 is ex­pressed in the basal com­part­ment of all stratified squamous epi­thelia. In various kinds of human tu­mors, the ap­pear­ance and in­creas­ing ex­pres­sion of Cytoke­ratin 14 were strik­ingly as­so­ciated with higher grade and stage of car­ci­noma, with vary­ing de­grees of un­fa­vor­able pro­gnosis. In lung squamous cell car­ci­noma (LSCC), Cytoke­ratin 14 was ex­pressed in the tu­mor cell nests showing stromal in­va­sion with fibrosis and lymph node me­tas­ta­ses, in­di­cating that Cytoke­ratin 14 in­vol­ved in pro­li­feration and me­tas­ta­sis of LSCC. Cytoke­ratin 14 ex­pres­sion is some­times used in di­ag­nosis of myoepithelioma and in­tra­ductal vs. in­va­sive ductal car­ci­noma of the breast.

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

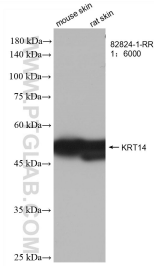
For technical support and original validation data for this product please contact:

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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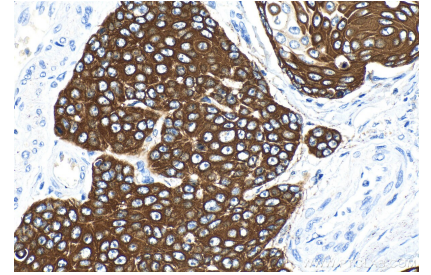
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82824-1-RR (Cytokeratin 14 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 82824-1-RR (Cytokeratin 14 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 82824-1-RR (Cytokeratin 14 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).