

For Research Use Only

Cytokeratin 39 Recombinant monoclonal antibody

Catalog Number:86277-2-RR



Basic Information

Catalog Number:	86277-2-RR	GenBank Accession Number:	BC157887	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	390792	CloneNo.:	250891F5
Source:	Rabbit	UNIPROT ID:	Q6A163	Recommended Dilutions:	WB: 1:2000-1:10000 IHC: 1:1000-1:4000 IF-P: 1:50-1:500 IF/ICC: 1:50-1:500
Isotype:	IgG	Full Name:	keratin 39		
		Observed MW:	45 kDa		

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, 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: T-47D cells, mouse skin tissue, rat skin tissue, HeLa cells, MCF-7 cells, A431 cells, HaCaT cells

IHC: mouse esophagus tissue, human skin tissue, mouse skin tissue

IF-P: mouse skin tissue,

IF/ICC: MCF-7 cells,

Background Information

Cytokeratin 39 (CK-39) is a member of the cytokeratin family, a group of intermediate filament proteins primarily expressed in epithelial cells. Cytokeratins are classified into Type I (acidic) and Type II (basic) subfamilies, which pair to form heteropolymers essential for maintaining cellular structural integrity, mechanical stability, and stress resistance. CK-39 is predominantly expressed in stratified and glandular epithelia, such as those found in the prostate, bladder, and respiratory tract. Its expression pattern may vary depending on tissue differentiation states.

Storage

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

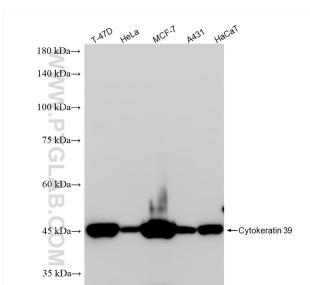
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com

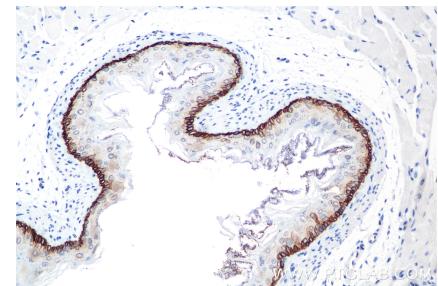
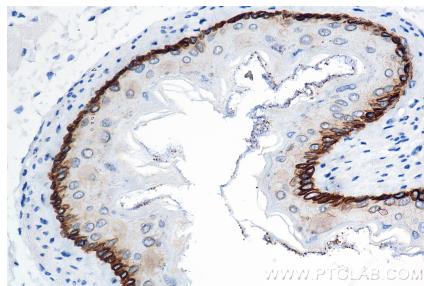
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86277-2-RR (KRT39 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

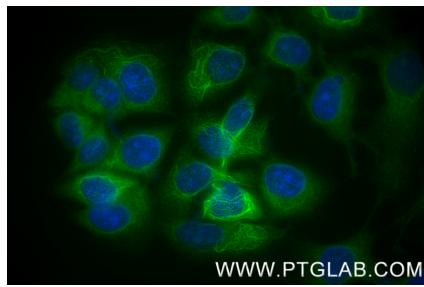


Immunohistochemical analysis of paraffin-embedded mouse esophagus tissue slide using 86277-2-RR (Cytokeratin 39 antibody) at a dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded mouse esophagus tissue slide using 86277-2-RR (Cytokeratin 39 antibody) at a dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using Cytokeratin 39 antibody (86277-2-RR, Clone: 250891F5) at a dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Cytokeratin 39 antibody (86277-2-RR, Clone: 250891F5) at a dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).