

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	GeneID (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.

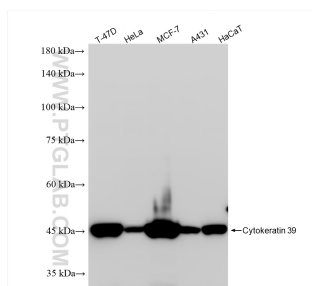
Storage

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

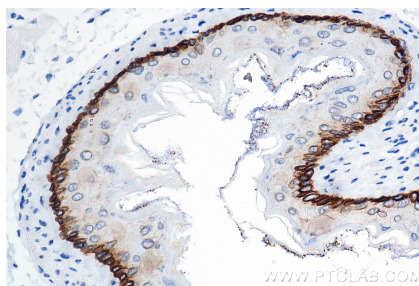
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

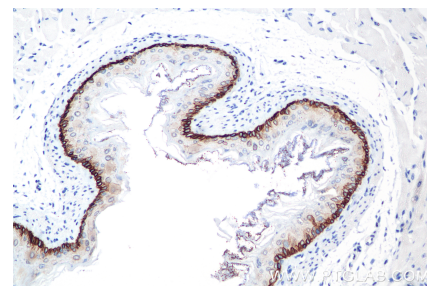
Selected Validation Data



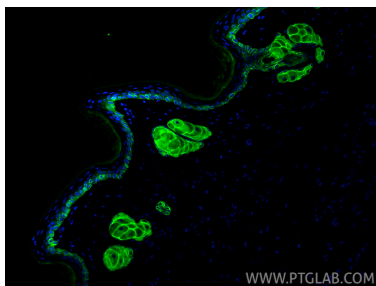
Various lysates were subjected to SDS PAGE followed by western blot with 86277-2-RR (KRT39 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



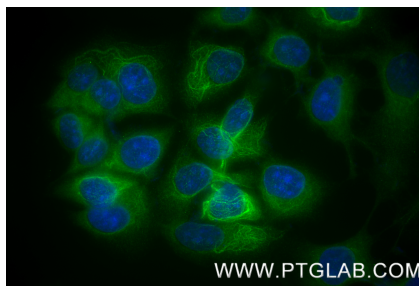
Immunohistochemical analysis of paraffin-embedded mouse esophagus tissue slide using 86277-2-RR (Cytokeratin 39 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse esophagus tissue slide using 86277-2-RR (Cytokeratin 39 antibody) at 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 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 dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).