

Cytokeratin 8 Monoclonal antibody

Catalog Number: 68627-1-Ig

Basic Information

Catalog Number: 68627-1-Ig	GenBank Accession Number: BC000654	Purification Method: Protein G purification
Size: 1000 ug/ml	GeneID (NCBI): 3856	CloneNo.: 1F2H5
Source: Mouse	UNIPROT ID: P05787	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: keratin 8	
Immunogen Catalog Number: AG0488	Calculated MW: 54 kDa Observed MW: 50-52 kDa	

Applications

Tested Applications:

WB, IHC, 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 : MCF-7 cells, A549 cells, rat colon tissue, mouse colon tissue, T-47D cells, SK-BR-3 cells, SW480 cells, HT-29 cells

IHC : human tonsillitis tissue,

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT8 is often paired with keratin 18 in vivo.

Storage

Storage:

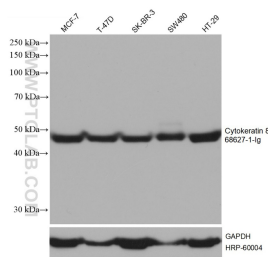
Store at -20°C. Stable for one year after shipment.

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 tonsillitis tissue slide using 68627-1-Ig (Cytokeratin 8 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Various lysates were subjected to SDS PAGE followed by western blot with 68627-1-Ig (KRT8 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.