

Cytokeratin 13 (ABT-CK13) Mouse mAb

CatalogNo: YM4793 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- IHC, WB, IF, ELISA

MW

- 50kD (Calculated)
- 50kD (Observed)

Isotype

- Mouse IgG1/Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000**WB 1:500-2000****IF 1:100-500****ELISA 1:1000-5000**

Basic Information

Clonality Monoclonal**Clone Number** ABT-CK13

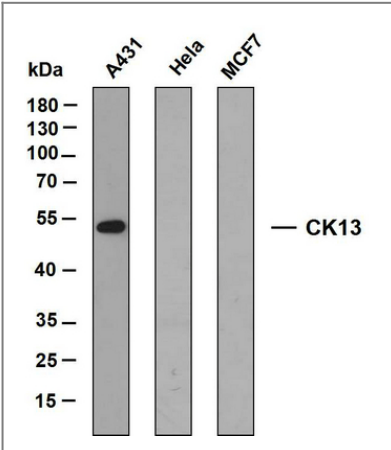
Immunogen Information

Immunogen Synthesized peptide derived from human Cytokeratin 13 AA range: 400-458**Specificity** The antibody can specifically recognize human CK13 protein. In western blotting of A431 cell lysate, the antibody can label a 50 kDa band corresponding to CK13.

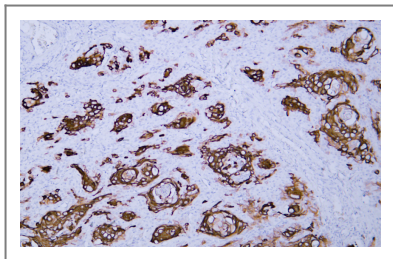
Target Information

Gene name	KRT13		
Protein Name	47 kDa cytokeratin;CK-13;CK13;Cytokeratin 13;Cytokeratin-13;K13;K1C13_HUMAN;Ka13;Keratin 13;Keratin;keratin type I cytoskeletal 13;Keratin-13;Krt-1.13;Krt1-13;KRT13;MGC161462;MGC3781;type I cytoskeletal 13;Type I keratin Ka13;WSN2		
	Organism	Gene ID	UniProt ID
	Human	3860 ;	P13646 ;
	Mouse		P08730 ;
	Rat		Q6IFV4 ;
Cellular Localization	Cytoplasmic, Membranous		
Tissue specificity	Tonsil		
Function	Disease:Defects in KRT13 are a cause of white sponge nevus of cannon (WSN) [MIM:193900]. WSN is a rare autosomal dominant disorder which predominantly affects non-cornified stratified squamous epithelia. Clinically, it is characterized by the presence of soft, white, and spongy plaques in the oral mucosa. The characteristic histopathologic features are epithelial thickening, parakeratosis, and vacuolization of the suprabasal layer of oral epithelial keratinocytes. Less frequently the mucous membranes of the nose, esophagus, genitalia and rectum are involved.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,online information:Keratin-13 entry,PTM:O-glycosylated; glycans consist of single N-acetylglucosamine residues.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. keratin-13 is generally associated with keratin-4.,tissue specificity:Expressed in some epidermal sweat gland ducts (at protein level) and in exocervix, esophagus and placenta.,		

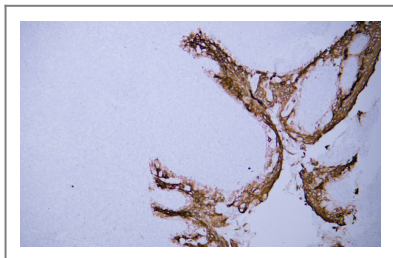
Validation Data



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Cytokeratin 13 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.



Human cervical squamous cell carcinoma tissue was stained with Anti-Cytokeratin 13 (ABT-CK13) Antibody



Human tonsil tissue was stained with Anti-Cytokeratin 13 (ABT-CK13) Antibody

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
Cytokeratin 13 (ABT-CK13) Mouse mAb

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