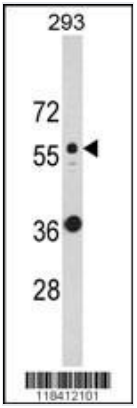
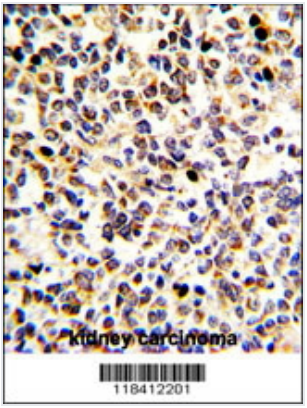
KRT10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

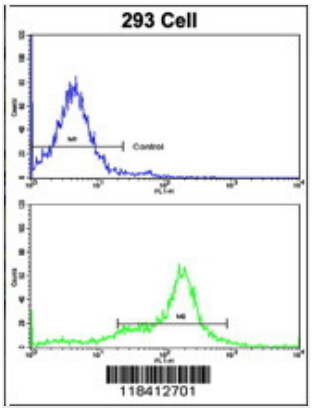
Product Name	KRT10, Polyclonal Antibody
Full Product Name	KRT10, NT (Keratin, Type I Cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KPP) (APC)
Product Gene Name	anti-KRT10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human KRT10.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Do not freeze APC conjugates. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	58,827 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (38974369..38978863, complement). Location: 17q21
OMIM	113800
3D Structure	ModBase 3D Structure for P13645
Immunogen	Synthetic peptide selected from the N-terminal region of human KRT10 (KLH).
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-KRT10 antibody	Antibodies; Keratin; Cytokeratin
Applications Tested/Suitable for anti-KRT10 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-KRT10 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-KRT10 antibody	MBS6484196 is an antibody targeting KRT10. Also known as KRT10, NT (Keratin, Type I Cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KPP) (APC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-KRT10 antibody	1. Morais, P., Eur J Dermatol 19(4), 333-336 (2009). 2. Barcelos, A.C., J. Cutan. Pathol. 36(6), 647-654 (2009).
Other Notes	Small volumes of anti-KRT10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KRT10 antibody
Western blot analysis of KRT10 Antibody (N-term) in 293 cell line lysates (35ug/lane). KRT10 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-KRT10 antibody
Formalin-fixed and paraffin-embedded human kidney carcinoma with KRT10 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-KRT10 antibody
Flow cytometric analysis of 293 cells using KRT10 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT10. It may not necessarily be applicable to this product.

NCBI GI #	195972866
NCBI GeneID	3858
NCBI Accession #	NP_000412
UniProt Primary Accession #	P13645
UniProt Secondary Accession #	Q14664; Q8N175
UniProt Related Accession #	P13645
GenBank Nucleotide #	NM_000421
NCBI Official Full Name	keratin, type I cytoskeletal 10
NCBI Official Synonym Full Names	keratin 10
NCBI Official Symbol	KRT10
NCBI Official Synonym Symbols	BIE; EHK; K10; KPP; BCIE; CK10
UniProt Protein Name	Keratin, type I cytoskeletal 10
UniProt Synonym Protein Names	Cytokeratin-10; CK-10; Keratin-10

Protein Family	Keratin
UniProt Gene Name	KRT10
UniProt Synonym Gene Names	KPP; CK-10; K10
UniProt Entry Name	K1C10_HUMAN
NCBI Protein Information	keratin, type I cytoskeletal 10; CK-10; keratin-10; cytokeratin 10
UniProt Comments for KRT10	K10: a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Generally associates with K1. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q21 Cellular Component: extracellular space; membrane; keratin filament; cytoplasm; intermediate filament; nucleus Molecular Function: structural constituent of epidermis Biological Process: keratinocyte differentiation Disease: Erythroderma, Ichthyosiform, Congenital Reticular; Epidermolytic Hyperkeratosis; Ichthyosis, Cyclic, With Epidermolytic Hyperkeratosis
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