KRT18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRT18, Polyclonal Antibody
Full Product Name	KRT18 (Keratin, Type I Cytoskeletal 18, Cytokeratin-18, CK-18, Keratin-18, K18, Cell Proliferation-inducing Gene 46 Protein, PIG46, CYK18) (MaxLigh
Product Gene Name	anti-KRT18 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 MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KRT18.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	48,058 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (53342655..53346685). Location: 12q13
OMIM	148070
3D Structure	ModBase 3D Structure for P05783
Immunogen	Full length human KRT18, aa1-430 (NP_000215.1).
Immunogen Sequence	MSFTTRSTFSTNYRSLGSVQAPSYGARPVSSAASVYAGAGGSGSRISVSRSTSFRGGMGSGGLATGIAGGLAGMGGIQNEKETMQSLNDRLASYLDRV
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-KRT18 antibody	Antibodies; Keratin; Cytokeratin
Applications Tested/Suitable for anti-KRT18 antibody	Western Blot (WB)
Application Notes for anti-KRT18 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-KRT18 antibody	Cytokeratin 18 is an acidic type I keratin and a member of intermediate filament family of proteins. Cytokeratin 18 typically forms a heterotetramer with
Other Notes	Small volumes of anti-KRT18 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for KRT18 purchase	MBS6383879 is an antibody targeting KRT18. Also known as KRT18 (Keratin, Type I Cytoskeletal 18, Cytokeratin-18, CK-18, Keratin-18, K18, Cell Pro

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT18. It may not necessarily be applicable to this product.

NCBI GI #	4557888
NCBI GeneID	3875
NCBI Accession #	NP_000215.1
UniProt Primary Accession #	P05783
UniProt Secondary Accession #	Q53G38; Q5U0N8; Q9BW26
UniProt Related Accession #	P05783
GenBank Nucleotide #	NM_000224.2
NCBI Official Full Name	keratin, type I cytoskeletal 18
NCBI Official Synonym Full Names	keratin 18
NCBI Official Symbol	KRT18
NCBI Official Synonym Symbols	K18; CYK18
UniProt Protein Name	Keratin, type I cytoskeletal 18
UniProt Synonym Protein Names	Cell proliferation-inducing gene 46 protein; Cytokeratin-18; CK-18; Keratin-18
Protein Family	Keratin
UniProt Gene Name	KRT18
UniProt Synonym Gene Names	CYK18; CK-18; K18
UniProt Entry Name	K1C18_HUMAN
NCBI Protein Information	keratin, type I cytoskeletal 18; CK-18; keratin-18; cytokeratin 18; cytokeratin-18; cell proliferation-inducing protein 46; cell proliferation-inducing gene 46 protein
NCBI Summary for KRT18	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for KRT18	K18: 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. Keratin 18 and its filament partner keratin 8 are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Defects are a cause of cryptogenic cirrhosis. Protein type: Cytoskeletal; Nucleolus Chromosomal Location of Human Ortholog: 12q13 Cellular Component: perinuclear region of cytoplasm; keratin filament; cytoplasm; nucleolus; microtubule organizing center; intermediate filament Molecular Function: protein binding; structural molecule activity Biological Process: anatomical structure morphogenesis; tumor necrosis factor-mediated signaling pathway; viral reproduction; intermediate filament cytoskeleton organization and biogenesis; cell cycle; Golgi to plasma membrane CFTR protein transport; negative regulation of apoptosis Disease: Cirrhosis, Familial
Research Articles on KRT18	**1.** K8/18 expression can influence the phenotype of epithelial cancer cells at a transcriptional level and supports the hypothesis that keratins play an active role in cancer progression.
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