CK073 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CK073, Polyclonal Antibody
Full Product Name	CK073, NT (C11orf73, Protein Hikeshi) (MaxLight 405)
Product Gene Name	anti-CK073 antibody
Product Synonym Gene Name	C11orf73
Product Synonym Names	C11orf73; Protein Hikeshi
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Hamster, Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	21,628 Da
OMIM	614908
3D Structure	ModBase 3D Structure for Q53FT3
Immunogen	CK073 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-39 amino acids from the N-terminal region of human CK073.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-CK073 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-CK073 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-CK073 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CK073 antibody	Required for organization and/or function of the secretory apparatus in Clara cells in lung (By similarity).
Product References and Citations for anti-CK073 antibody	Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009).

Other Notes	Small volumes of anti-CK073 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.
Searchable Terms for CK073 purchase	MBS6286255 is an antibody targeting CK073. Also known as CK073, NT (C11orf73, Protein Hikeshi) (MaxLight 405). Reactive in Hamster, Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CK073. It may not necessarily be applicable to this product.

NCBI GI #	21361535
NCBI GeneID	51501
NCBI Accession #	NP_057485.2
UniProt Primary Accession #	Q53FT3
UniProt Secondary Accession #	Q8WVE8; Q9NVQ2; Q9NZZ1; Q9P022; Q9P0N1
UniProt Related Accession #	Q53FT3
GenBank Nucleotide #	NM_016401.3
NCBI Official Full Name	protein Hikeshi
NCBI Official Synonym Full Names	chromosome 11 open reading frame 73
NCBI Official Symbol	C11orf73
NCBI Official Synonym Symbols	L7RN6; OPI10; HSPC138; HSPC179; Hikeshi
UniProt Protein Name	Protein Hikeshi
UniProt Gene Name	C11orf73
UniProt Entry Name	HIKES_HUMAN
NCBI Protein Information	protein Hikeshi
UniProt Comments for CK073	C11orf73: Acts as a specific nuclear import carrier for HSP70 proteins following heat-shock stress: acts by mediating the nucleoporin-dependent translocation of ATP-bound HSP70 proteins into the nucleus. HSP70 proteins import is required to protect cells from heat shock damages. Does not translocate ADP-bound HSP70 proteins into the nucleus Protein type: Cell development/differentiation Chromosomal Location of Human Ortholog: 11q14.2 Cellular Component: intracellular; cell junction; cytosol; nucleus Molecular Function: Hsp70 protein binding; protein transporter activity Biological Process: protein transport; protein import into nucleus; Golgi organization and biogenesis; lung development
Research Articles on CK073	**1.** identify a nuclear import pathway that operates during heat shock stress and is mediated by an evolutionarily conserved protein, Hikeshi (coded by the C11orf73 gene) binds to FG-Nups and translocates through nuclear pores on its own, showing characteristic features of nuclear transport carriers.
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