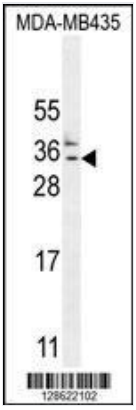
CK073 Antibody – Rabbit Polyclonal

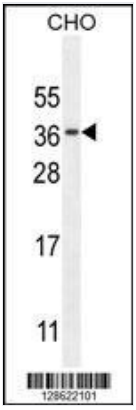
PRODUCT OVERVIEW

Product Name	CK073, Polyclonal Antibody
Full Product Name	CK073, NT (C11orf73, Protein Hikeshi) (AP)
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. 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	AP
Note	Preservative Free
Product Categories/Family for anti-CK073 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-CK073 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CK073 antibody	IHC: 1:50-100 ELISA: 1:1,000 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.

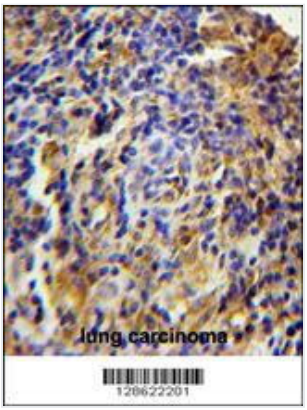
Searchable Terms for CK073 purchase	MBS6286250 is an antibody targeting CK073. Also known as CK073, NT (C11orf73, Protein Hikeshi) (AP). Reactive in Hamster, Human. Host: Rabbit.



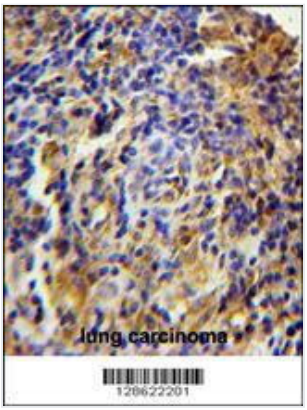
Western Blot (WB) of anti-CK073 antibody
CK073 Antibody (N-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the CK073 antibody detected the CK073 protein (arrow).



Western Blot (WB) of anti-CK073 antibody
CK073 Antibody (N-term) western blot analysis in CHO cell line lysates (35ug/lane).This demonstrates the CK073 antibody detected the CK073 protein (arrow).



Immunohistochemistry (IHC) of anti-CK073 antibody
CK073 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CK073 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-CK073 antibody
CK073 Antibody (N-term) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-hamster-human-antibody/ck073/6286250