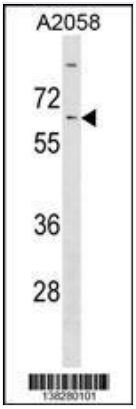
KLHL14 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLHL14, Polyclonal Antibody
Full Product Name	KLHL14, ID (KLHL14, KIAA1384, Kelch-like protein 14, Protein interactor of Torsin-1A) (FITC)
Product Gene Name	anti-KLHL14 antibody
Product Synonym Names	KLHL14; KIAA1384; Kelch-like protein 14; Protein interactor of Torsin-1A
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 Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	43,792 Da
OMIM	613772
3D Structure	ModBase 3D Structure for Q9P2G3
Immunogen	KLHL14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-418 amino acids from the Central region of human KLHL14.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-KLHL14 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-KLHL14 antibody	Western Blot (WB), FLISA
Application Notes for anti-KLHL14 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-KLHL14 antibody	KLHL14 is a member of the KLHL family. The kelch motif was initially discovered in Kelch. In this protein there are six copies of the motif. It has been shown for one member that it is related to Galactose Oxidase for which a structure has been solved. Two isoforms of this protein exist-70kDa and 43kDa.
Product References and Citations for anti-KLHL14 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Giles, L.M., et al. J. Biol. Chem. 284(32):21765-21775(2009).
Other Notes	Small volumes of anti-KLHL14 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 KLHL14 purchase	MBS6314131 is an antibody targeting KLHL14. Also known as KLHL14, ID (KLHL14, KIAA1384, Kelch-like protein 14, Protein interactor of Torsin-1A) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-KLHL14 antibody
KLHL14 Antibody (Center) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the KLHL14 antibody detected the KLHL14 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLHL14. It may not necessarily be applicable to this product.

NCBI GI #	55741643
NCBI GeneID	57565
NCBI Accession #	NP_065856.1
UniProt Primary Accession #	Q9P2G3
UniProt Secondary Accession #	Q8WU41; A6NNW1; B4DHA0
UniProt Related Accession #	Q9P2G3
GenBank Nucleotide #	NM_020805.1
NCBI Official Full Name	kelch-like protein 14
NCBI Official Synonym Full Names	kelch-like family member 14
NCBI Official Symbol	KLHL14
UniProt Protein Name	Kelch-like protein 14
UniProt Synonym Protein Names	Protein interactor of Torsin-1A
Protein Family	Kelch-like protein
UniProt Gene Name	KLHL14
UniProt Synonym Gene Names	KIAA1384; Printor
UniProt Entry Name	KLH14_HUMAN
NCBI Protein Information	kelch-like protein 14; printor; kelch-like 14; protein interactor of torsinA; protein interactor of Torsin-1A
UniProt Comments for KLHL14	KLHL14: 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 18q12.1 Cellular Component: endoplasmic reticulum membrane; neuron projection; cell soma; endoplasmic reticulum; cytosol
Research Articles on KLHL14	**1.** TorsinA ATP hydrolysis is induced upon association with LAP1 and LULL1, type II transmembrane proteins residing in the nuclear envelope and endoplasmic reticulum.

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