

Mouse anti-Human KLHL13 Antibody | anti-KLHL13 antibody

KLHL13 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108820	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

KLHL13; KLHL13 Antibody; BKLHD2; FLJ10262; MGC74791; anti-KLHL13 antibody

PRODUCT SPECIFICATIONS

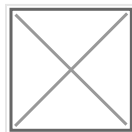
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	8D1
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	658
Applicable Applications for anti-KLHL13 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human KLHL13 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



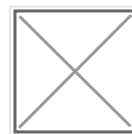
IHC (Immunohistochemistry)

Figure 3. Immunohistochemical analysis of paraffin-embedded brain tissues (left) and pancreas tissues (right) using KLHL13 mouse mAb with DAB staining.



WB (Western Blot)

Figure 1. Western blot analysis using KLHL13 mouse mAb against Hela (1) and MCF-7 (2) cell lysate.



IF (Immunofluorescence)

Figure 2. Immunofluorescence analysis of NTERA-2 cells (left) and U251 (right) cells using KLHL13 mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye. Red. Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

ADDITIONAL INFORMATION

Related Product Information for anti-KLHL13 antibody	KLHL13 (kelch-like 13), also known as BKLHD2 (BTB and kelch domain-containing protein 2), is a 604 amino acid protein that contains six Kelch repeats and one BTB/POZ domain. Expressed predominantly in brain, KLHL13 is believed to play a role in protein ubiquitination and may function as a substrate-specific adapter of an E3 ubiquitin-protein ligase complex. E3 ligases accept a ubiquitin residue from an E2 ubiquitin-conjugating enzyme and immediately transfer that residue to a protein that is targeted for degradation. Specifically, KLHL13 interacts with KLHL9 and CUL-3, a member of the cullin family of mediators that participate in the selective targeting of proteins for ubiquitin-mediated proteolysis. Via its BTB and C-terminal Kelch (BACK) motif, KLHL13 is thought to play a role in spatially orientating substrates in the CUL-3 ligase.
Product Categories/Family for anti-KLHL13 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	269973863
NCBI GeneID	90293
NCBI Accession #	NP_001161771.1
NCBI GenBank Nucleotide #	NM_001168299.1
UniProt Accession #	Q9P2N7; Q6P2E3; Q96QI7; Q9UDN9; B3KV78; B3KWM7; B7Z3S9; B7Z5P2; B7Z802; D3DWH6
Molecular Weight	74kDa
NCBI Official Full Name	kelch-like protein 13 isoform b
NCBI Official Synonym Full Names	kelch like family member 13
NCBI Official Symbol	KLHL13
NCBI Official Synonym Symbols	BKLHD2
NCBI Protein Information	kelch-like protein 13
UniProt Protein Name	Kelch-like protein 13
UniProt Gene Name	KLHL13
UniProt Synonym Gene Names	BKLHD2; KIAA1309

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/klhl13/108820>