

KLHL21 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1416a**Specification**

KLHL21 Antibody - Product Information

Application	WB, IHC
Primary Accession	O9UJP4
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	66kDa KDa

Description

Probable substrate-specific adapter of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.

Immunogen

Purified recombinant fragment of human KLHL21 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

KLHL21 Antibody - Additional Information

Gene ID 9903

Other Names

Kelch-like protein 21, KLHL21, KIAA0469

Dilution

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KLHL21 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KLHL21 Antibody - Protein Information

Name KLHL21

Synonyms KIAA0469

Function

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for efficient chromosome alignment and cytokinesis. The BCR(KLHL21) E3 ubiquitin ligase complex regulates localization of the chromosomal passenger complex (CPC) from chromosomes to the spindle midzone in anaphase and mediates the ubiquitination of AURKB. Ubiquitination of AURKB by BCR(KLHL21) E3 ubiquitin ligase complex may not lead to its degradation by the proteasome.

Cellular Location

Cytoplasm, cytoskeleton, spindle. Note=Localizes to the spindle midzone and targets CUL3 to this region

KLHL21 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

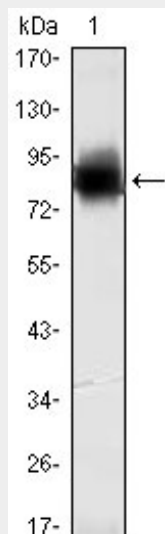
KLHL21 Antibody - Images

Figure 1: Western blot analysis using KLHL21 mAb against human KLHL21 (AA: 250-597) recombinant protein. (Expected MW is 64.4 kDa)

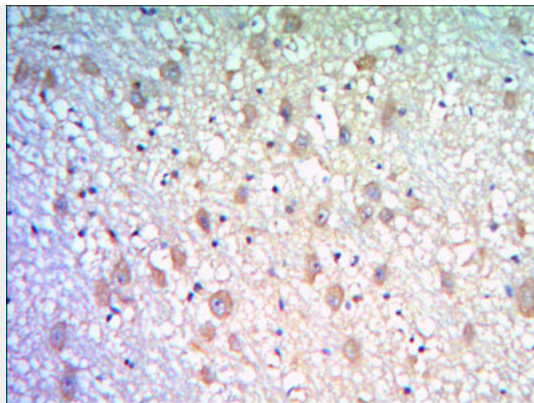


Figure 2: Immunohistochemical analysis of paraffin-embedded human brain tissues using KLHL21 mouse mAb with DAB staining.

KLHL21 Antibody - References

1. DNA Res. 1997 Oct 31;4(5):345-9.
2. DNA Res. 2005;12(2):117-26.
3. J Cell Biol. 2009 Dec 14;187(6):791-800.