

KLHL21 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1416a

Product Information

Application	WB, IHC, E
Primary Accession	Q9UJP4
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2H4
Isotype	IgG1
Calculated MW	66617
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.

Additional Information

Gene ID	9903
Other Names	Kelch-like protein 21, KLHL21, KIAA0469
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~N/A
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.

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

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.

Images

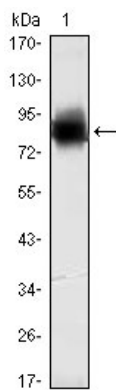


Figure 1: Western blot analysis using KLHL21 mAb against human KLHL21 (AA: 250-597) recombinant protein. (Expected MW is 64.4 kDa)

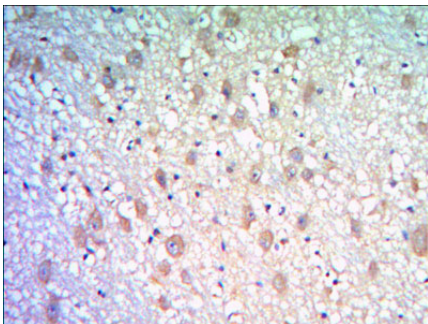


Figure 2: Immunohistochemical analysis of paraffin-embedded human brain tissues using KLHL21 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.