

KLHL1 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1462a

Product Information

Application	WB, ICC, E
Primary Accession	Q9NR64
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3A8
Isotype	IgG1
Calculated MW	82680
Description	The mammalian Kelch like 1 (KLHL1) was initially discovered as a homolog to the Drosophila Kelch gene that is highly expressed in several brain tissues. The predicted protein domain structure of KLHL1 is characteristic of a number of proteins that bind actin, form dimers, and often act as actin organizing proteins. Based on the presence of anti sense RNA that spans the transcription and translation start sites as well as the first splice site of KLHL1 in brain tissue of individuals suffering from the neurodegenerative disorder spinocerebellar ataxia type 8 (SCA8), it has been suggested that KLHL1 is involved in this disease and that regulation of KLHL1 protein may be affected by antisense RNA expression. Tissue specificity: Highly expressed in brain.
Immunogen	Purified recombinant fragment of human KLHL1 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	57626
Other Names	Kelch-like protein 1, KLHL1, KIAA1490
Dilution	WB~~1/500 - 1/2000 ICC~~N/A 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	KLHL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KLHL1
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Synonyms	KIAA1490
Function	May play a role in organizing the actin cytoskeleton of the brain cells.
Cellular Location	Cytoplasm, cytoskeleton.
Tissue Location	Highly expressed in brain.

References

1. DNA Res. 2000 Apr 28;7(2):143-50. 2. Nat Genet. 2004 Jan;36(1):40-5. 3. Science. 2005 Mar 11;307(5715):1621-5.

Images

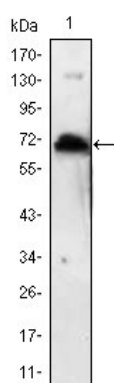


Figure 1: Western blot analysis using KLHL1 mAb against human KLHL1 (AA: 202-506) recombinant protein. (Expected MW is 60.2 kDa)

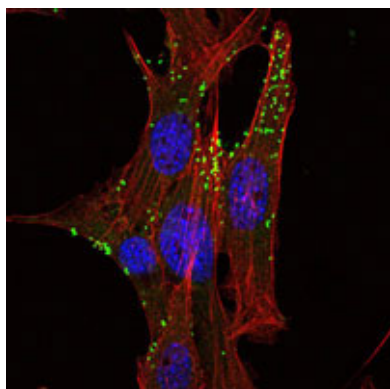


Figure 2: Immunofluorescence analysis of NIH/3T3 cells using KLHL1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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