

KLHL1 Antibody
Catalog # ASC10165**Specification**

KLHL1 Antibody - Product Information

Application	ICC
Primary Accession	Q9NR64
Other Accession	AAF81719 , 57626
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	KLHL1 antibody can be used for the detection of KLHL1 by Western blot at 2 - 4 µg/mL. Antibody can also be used for immunohistochemistry starting at 10 µg/mL.

KLHL1 Antibody - Additional InformationGene ID **57626****Other Names**

KLHL1 Antibody: MRP2, KIAA1490, Kelch-like protein 1, kelch-like 1 (Drosophila)

Target/Specificity

KLHL1 antibody was raised against a 14 amino acid synthetic peptide from near the amino-terminus of human KLHL1.

The immunogen is located within the first 50 amino acids of KLHL1.

Reconstitution & Storage

KLHL1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

KLHL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KLHL1 Antibody - Protein Information**Name** KLHL1**Synonyms** KIAA1490**Function**

May play a role in organizing the actin cytoskeleton of the brain cells.

Cellular Location

Cytoplasm, cytoskeleton.

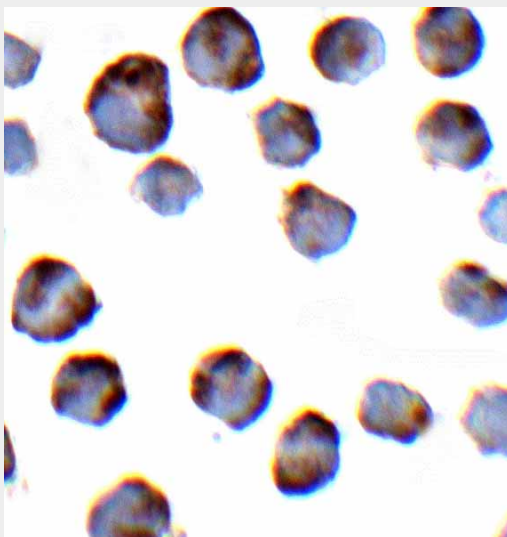
Tissue Location

Highly expressed in brain.

KLHL1 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](#)

KLHL1 Antibody - Images

Immunocytochemistry of NALP3 in K562 cells with NALP3 antibody at 2 µg/mL.

KLHL1 Antibody - Background

KLHL1 Antibody: 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.

KLHL1 Antibody - References

Nemes JP, Benzo KA, and Koob MD. The SCA8 transcript is an antisense RNA to a brain-specific transcript encoding a novel actin-binding protein (KLHL1). *Human Mol. Gen.* 2000; 9:1543-51.
Adams J, Kelso R, and Cooley L. The kelch repeat superfamily of proteins: propellers of cell function. *Trends Cell Biol.* 2000; 10:17-24.

Robinson DN and Cooley L. Drosophila kelch is an oligomeric ring canal actin organizer. J. Cell Biol. 1997; 138:799-810.