

Datasheet for ABIN969241

anti-KLHL1 antibody[Go to Product page](#)**2** Images**1** Publication

Overview

| | |
|--------------|---|
| Quantity: | 100 µL |
| Target: | KLHL1 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | Western Blotting (WB), ELISA, Immunocytochemistry (ICC) |

Product Details

| | |
|---------------|--|
| Immunogen: | Purified recombinant fragment of human KLHL1 expressed in E. coli. |
| Clone: | 3A8 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| | |
|-------------------|---|
| Target: | KLHL1 |
| Alternative Name: | KLHL1 (KLHL1 Products) |
| Background: | 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 |

Target Details

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.

Aliases: MRP2, FLJ30047, KIAA1490, KLHL1

Molecular Weight: 82 kDa

Gene ID: 57626

HGNC: 57626

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

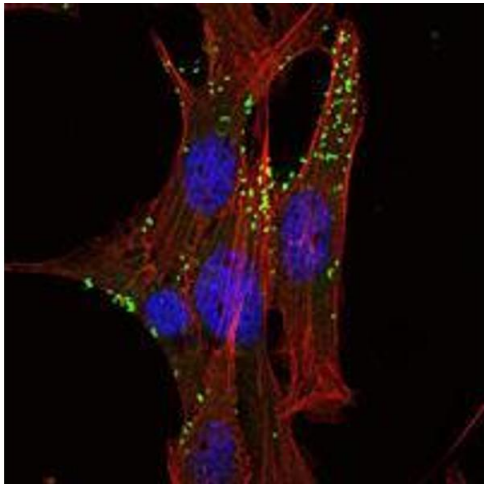
Publications

Product cited in: Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: **The Journal of biological chemistry**, Vol. 286, Issue 10, pp. 8585-96, (2011) ([PubMed](#)).

Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 8, pp. 1457-66, (2009) (

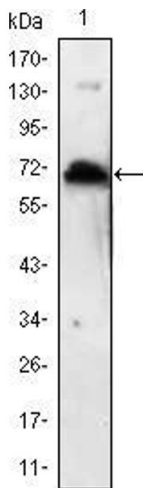
[PubMed](#)).

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using KLHL1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

Image 2. Western blot analysis using KLHL1 mAb against human KLHL1 (AA: 202-506) recombinant protein. (Expected MW is 60.2 kDa)