

## Mouse anti-Human KLHL1 Antibody | anti-KLHL1 antibody

KLHL1 Antibody

|                               |                      |                            |                                                                |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA108804</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------------------|

### PRODUCT SYNONYMS

KLHL1; KLHL1 Antibody; MRP2; FLJ30047; KIAA1490; anti-KLHL1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------|
| Host                                            | Mouse                                                              |
| Reactivity                                      | Human                                                              |
| Isotype                                         | IgG1                                                               |
| Clone Number                                    | 3A8                                                                |
| Form/Format                                     | Ascitic fluid containing 0.03% sodium azide.                       |
| Sequence Length                                 | 748                                                                |
| Applicable Applications for anti-KLHL1 antibody | ELISA, IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                       | Purified recombinant fragment of human KLHL1 expressed in E. Coli. |
| Preparation and Storage                         | Store at 4 degree C, for long term storage, store at -20 degree C. |

### IMAGES



#### IF (Immunofluorescence)

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



#### WB (Western Blot)

Figure 1: Western blot analysis using KLHL1 mouse mAb antibody against KLHL1 recombinant protein.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Related Product Information for anti-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. Tissue specificity: Highly expressed in brain. |
| Product Categories/Family for anti-KLHL1 antibody   | <a href="#">Autophagy antibody</a> ; <a href="#">Cancer</a> ; <a href="#">Cardiovascular</a> ; <a href="#">Cell Biology</a> ; <a href="#">Epigenetics &amp; Nuclear Signaling</a> ; <a href="#">Developmental Biologys</a> ; <a href="#">Immunology</a> ; <a href="#">Drug Discovery Products</a> ; <a href="#">Metabolism</a> ; <a href="#">Neuroscience</a> ; <a href="#">Signal Transduction</a> ; <a href="#">Stem Cells</a>                                                                                                                                                                                                                                                                                                                                                         |

### NCBI AND UNIPROT INFORMATION

|           |                          |
|-----------|--------------------------|
| NCBI GI # | <a href="#">14780904</a> |
|-----------|--------------------------|

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GeneID                      | 57626                                          |
| NCBI Accession #                 | NP_065917.1                                    |
| NCBI GenBank Nucleotide #        | NM_020866.2                                    |
| UniProt Accession #              | Q9NR64; Q5VZ64; Q9H4X4; Q9NR65; Q9P238; A8K5X0 |
| Molecular Weight                 | 82kDa                                          |
| NCBI Official Full Name          | kelch-like protein 1 isoform 1                 |
| NCBI Official Synonym Full Names | kelch like family member 1                     |
| NCBI Official Symbol             | KLHL1                                          |
| NCBI Official Synonym Symbols    | MRP2                                           |
| NCBI Protein Information         | kelch-like protein 1                           |
| UniProt Protein Name             | Kelch-like protein 1                           |
| UniProt Gene Name                | KLHL1                                          |
| UniProt Synonym Gene Names       | KIAA1490                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/klhl1/108804>