



KLHL1 Mouse Monoclonal Antibody

E10-30110

Background: 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.

Catalog Number: E10-30110

Amount: 100µg/100µl

Clone Number: 3A8

Species: Mouse IgG1

MW: 82kDa

Aliases: MRP2; FLJ30047; KIAA1490; KLHL1

Entrez Gene: 57626

Immunogen: Purified recombinant fragment of human KLHL1 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IF, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IF: 1/200-1/1000, ELISA: Propose dilution 1/10000.

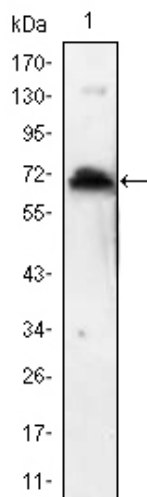


Figure 1: Western blot analysis using KLHL1 mouse mAb antibody against KLHL1 recombinant protein.

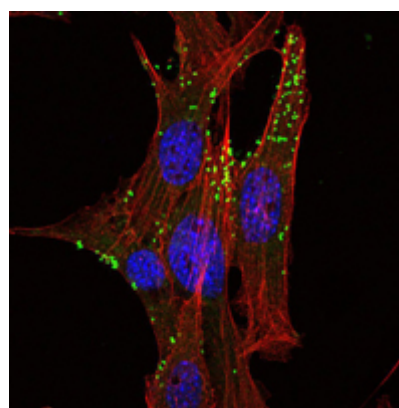


Figure 2: Immunofluorescence analysis of NIH/3T3 cells using KLHL1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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