

## ALS2

**Reactivity:**Human Mouse

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:**184kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human ALS2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

ALSJ; PLSJ; IAHSP; ALS2CR6;

**Catalog #:**A7125

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**57679

**Isotype:**IgG

**Swiss Prot:**Q96Q42

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene contains an ATS1/RCC1-like domain, a RhoGEF domain, and a vacuolar protein sorting 9 (VPS9) domain, all of which are guanine-nucleotide exchange factors that activate members of the Ras superfamily of GTPases. The protein functions as a guanine nucleotide exchange factor for the small GTPase RAB5. The protein localizes with RAB5 on early endosomal compartments, and functions as a modulator for endosomal dynamics. Mutations in this gene result in several forms of juvenile lateral sclerosis and infantile-onset ascending spastic paralysis. Multiple transcript variants encoding different isoforms have been found for this gene.

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