ALS2 Polyclonal Antibody

Catalog No	YP-Ab-05310
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ALS2 ALS2CR6 KIAA1563
Protein Name	Alsin (Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 6 protein) (Amyotrophic lateral sclerosis 2 protein)
Immunogen	Synthesized peptide derived from human protein . at AA range: 390-470
Specificity	ALS2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	182kD
Cell Pathway	ruffle,early endosome,centrosome,cytosol,postsynaptic density,membrane,lamellipodium,axon,dendrite,growth cone,vesicle,neuronal cell body,dendritic spine,intracellular membra
Tissue Specificity	Brain,Colon,Kidney,Placenta,
Function	disease:Defects in ALS2 are the cause of amyotrophic lateral sclerosis type 2 (ALS2) [MIM:205100]. ALS2 is a familial form of amyotrophic lateral sclerosis, a neurodegenerative disorder affecting upper and lower motor neurons and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology of amyotrophic lateral sclerosis is likely to be multifactorial, involving both genetic and environmental factors. The disease is inherited in 5-10% of cases leading to familial forms.,disease:Defects in ALS2 are the cause of infantile-onset ascending spastic paralysis (IAHSP) [MIM:607225]. IAHSP is characterized by progressive spasticity and weakness of limbs.,disease:Defects in ALS2 are the cause of juvenile primary lateral sclerosis (JPLS) [MIM:606353]. JPLS is a neurodegenerative disorder which is closely related to but clinically distinct f
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. [provided by RefSeq, Oct 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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