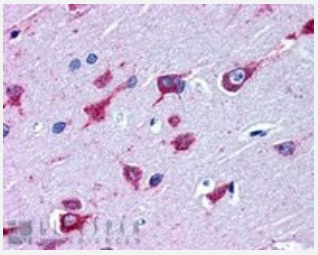
ALS2 polyclonal antibody

Catalog # PAB6113 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

ALS2 polyclonal antibody (Cat # PAB6113) (3.8 ug/mL) staining of paraffin embedded human cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ALS2.
Immunogen	A synthetic peptide corresponding to human ALS2.
Sequence	LKACYYQIQREKLN
Host	Goat
Theoretical MW (kDa)	184
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:8000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  ALS2 polyclonal antibody (Cat # PAB6113) (3.8 ug/mL) staining of paraffin embedded human cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ALS2

Entrez GeneID	57679
Protein Accession#	NP_065970.2
Gene Name	ALS2
Gene Alias	ALS2CR6, ALSJ, FLJ31851, IAHSP, KIAA1563, MGC87187, PLSJ
Gene Description	amyotrophic lateral sclerosis 2 (juvenile)
Omim ID	205100 606352 606353 607225
Gene Ontology	Hyperlink
Gene Summary	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 nuc leotide exchange factor for the small GTPase RAB5. The protein localizes with RAB5 on early en dosomal 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 para lysis. Multiple transcript variants encoding different isoforms have been found for this gene. [provi ded by RefSeq
Other Designations	alsin

Publication Reference

- The gene encoding alsin, a protein with three guanine-nucleotide exchange factor domains, is mutated in a form of recessive amyotrophic lateral sclerosis.

  Yang Y, Hentati A, Deng HX, Dabbagh O, Sasaki T, Hirano M, Hung WY, Ouahchi K, Yan J, Azim AC, Cole N, Gascon G, Yagmour A, Ben-Hamida M, Pericak-Vance M, Hentati F, Siddique T.

  Nat Genet 2001 Oct; 29(2):160.

Pathway

- Amyotrophic lateral sclerosis (ALS)

Disease

- Amyotrophic lateral sclerosis
- Genetic Predisposition to Disease
- Multiple Sclerosis
- Tobacco Use Disorder