



Human ALS2 blocking peptide (CDBP0386)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Alsin/ALS2 antibody
Antigen Description	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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ALS2 amyotrophic lateral sclerosis 2 (juvenile) [Homo sapiens]
Official Symbol	ALS2

Synonyms	ALS2; amyotrophic lateral sclerosis 2 (juvenile); ALS2CR6, amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 6; alsin; amyotrophic lateral sclerosis 2 protein; amyotrophic lateral sclerosis 2 chromosomal region candidate gene 6 protein; ALSJ; PLSJ; IAHSP; ALS2CR6; FLJ31851; KIAA1563; MGC87187;
Entrez Gene ID	57679
mRNA Refseq	NM_001135745
Protein Refseq	NP_001129217
UniProt ID	Q96Q42
Chromosome Location	2q33-q35
Pathway	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
Function	Rab GTPase binding; Rab GTPase binding; Rab guanyl-nucleotide exchange factor activity; Rac guanyl-nucleotide exchange factor activity; Ran guanyl-nucleotide exchange factor activity; contributes_to guanyl-nucleotide exchange factor activity; protein homo