Anti-Alsin Antibody

Alternative Names: ALSJ, PLSJ, IAH SP, ALS2CR6, ALS2, Alsin, Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 6 protein, Amyotrophic lateral sclerosis 2 protein

Catalogue Number: AB19-10084-50ug

Size: 50 µg

Background Information

Alsin (ALS2) is a 184-kDa protein of 1657 amino acids which activates the GTPases of the Ras superfamily of GTPases by acting as a guanine nucleotide exchange factor. Alsin has three guanine nucleotide exchange factor domains (RLD, DH/PH and VPS9) and eight consecutive membrane occupation and recognition nexus (MORN) motifs that are related to membrane binding in the region between the DH/PH and VPS9 domains.
Alsin functions as a modulator for endosomal dynamics by activating the small GTPase Rab5 via the C-terminal MORN/VPS9 domain, localising with RAB5 on early endosomal compartments.
Alsin is produced in a wide range of tissues, being particularly abundant in motor neurons. Many mutations in the ALS2 gene have been linked to a range of motor neurone diseases including amyotrophic lateral sclerosis (ALS).

Product Information

Antibody Type:	Polyclonal	**Host:**	Rabbit
Isotype:	IgG	**Species Reactivity:**	Human, Mouse
Immunogen:	Partial length recombinant human ALS2 from the N-terminal region		
Format:	50 µg in 50 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20˚C. Avoid freeze / thaw cycles.		
Applications:	WB WB 1:500-2000.		

Additional Information

Subcellular location:	Cytoskeleton Cytosol Endosome	**MW:**	184kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	57679	**Uniprot ID:**	Q96Q42