



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: AB19-10083-50ug

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, Rat
Immunogen:	Full length recombinant human ALS2		
Format:	50 µg in 50 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	IHC IHC 1:25-100.		

Additional Information

Subcellular location:	Cytoplasm	MW:	184/43/87kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	57679	Uniprot ID:	Q96Q42