



## 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:** AB19-10084-100ug

**Size:** 100 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

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse
<b>Immunogen:</b>	Partial length recombinant human ALS2 from the N-terminal region		
<b>Format:</b>	100 µg in 100 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB WB 1:500-2000.		

## Additional Information

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