

[Go to Product page](#)

Datasheet for ABIN1392877

**anti-ALS2 antibody (AA 1384-1440) (Biotin)**

## Overview

Quantity:	100 µL
Target:	ALS2
Binding Specificity:	AA 1384-1440
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALS2 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ALS2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	ALS2
Alternative Name:	ALS2/Alsin ( <a href="#">ALS2 Products</a> )
Background:	Synonyms: ALS 2, ALS2, ALS2_HUMAN, ALS2CR6, Alsin, ALSJ, Amyotrophic lateral sclerosis 2

## Target Details

juvenile, Amyotrophic lateral sclerosis 2 juvenile chromosome region candidate 6, Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 6 protein, Amyotrophic lateral sclerosis 2 protein, Amyotrophic lateral sclerosis protein 2, FLJ31851, IAHP, KIAA1563, MGC87187, PLSJ.

Background: Mutations in the ALS2 gene result in a number of juvenile recessive motor neuron diseases (MNDs), including juvenile primary lateral sclerosis (JPLS), a recessive form of amyotrophic lateral sclerosis (ALS2), infantile onset ascending hereditary spastic paralysis (IAHP), and a form of complicated hereditary spastic paraplegia (CHSP). The ALS2 gene encodes the Alsin protein. Alsin acts as a guanine nucleotide exchange factor for Rab5, a modulator of the endocytic pathway. Alsin is a cytosolic protein that is associated with small, punctate membrane structures. Therefore, Alsin may mediate membrane transport events, potentially linking endocytic processes and actin cytoskeleton remodeling. The ALS2 C-terminal-like protein (ALS2CL) also modulates Rab 5 activity.

Pathways: [Skeletal Muscle Fiber Development](#)

## Application Details

Application Notes: IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months