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Datasheet for ABIN1392873

## anti-ALS2 antibody (AA 1384-1440) (Alexa Fluor 350)

### Overview

Quantity:	100 µL
Target:	ALS2
Binding Specificity:	AA 1384-1440
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALS2 antibody is conjugated to Alexa Fluor 350
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### 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

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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, IAHSP, 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 (IAHSP), 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.

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Pathways: [Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months