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Datasheet for ABIN1392874

anti-ALS2 antibody (AA 1384-1440) (Alexa Fluor 488)

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 488
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 (ALS2 Products)
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, IAHSF, 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.

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

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

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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months