

Datasheet for ABIN2856426

anti-ACMSD antibody

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ACMSD
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACMSD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ACMSD. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to ACMSD (aminocarboxymuconate semialdehyde decarboxylase) ACMSD antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ACMSD
Alternative Name:	aminocarboxymuconate semialdehyde decarboxylase (ACMSD Products)

Target Details

Background: The neuronal excitotoxin quinolinate is an intermediate in the de novo synthesis pathway of NAD from tryptophan, and has been implicated in the pathogenesis of several neurodegenerative disorders. Quinolinate is derived from alpha-amino-beta-carboxy-muconate-epsilon-semialdehyde (ACMS). ACMSD (ACMS decarboxylase, EC 4.1.1.45) can divert ACMS to a benign catabolite and thus prevent the accumulation of quinolinate from ACMS.[supplied by OMIM]

Molecular Weight: 38 kDa

Gene ID: 130013

UniProt: [Q8TDX5](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Mouse brain

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.86 mg/mL

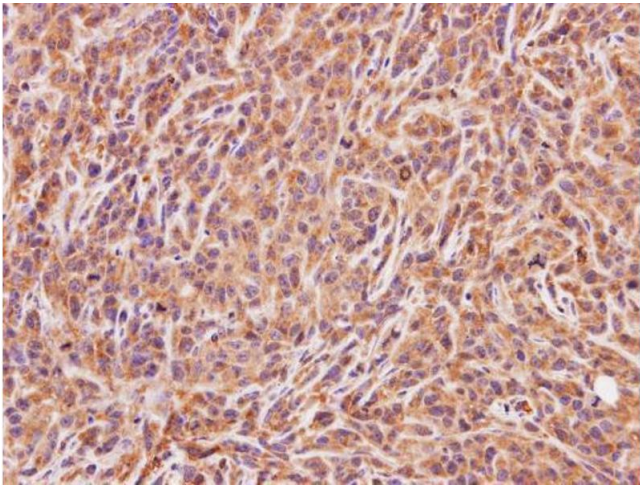
Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

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

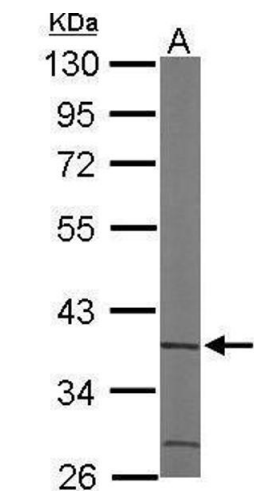
Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



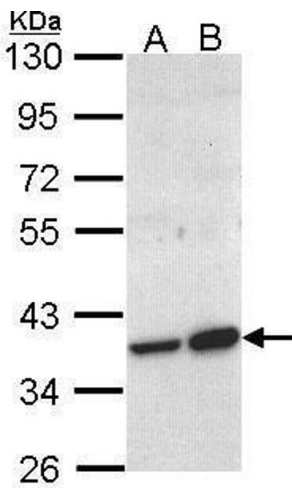
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded SAS xenograft, using ACMSD, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 10% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , B: Raji 10% SDS PAGE antibody diluted at 1:1000