Datasheet for ABIN2783070

anti-SEPN1 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	SEPN1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Cow, Guinea Pig, Horse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEPN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SEPN1
Sequence:	NYFLDITSVK PEEIESNLFS FSSTFEDPST ATYMQFLKEG LRRGLPLLQP
Predicted Reactivity:	Cow: 100%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against SEPN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SEPN1
Alternative Name:	SEPN1 (SEPN1 Products)

Target Details

Background:	SEPN1 is a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. Mutations in SEPN1 gene cause the classical phenotype of multiminicore disease and congenital muscular dystrophy with spinal rigidity and restrictive respiratory syndrome.This gene encodes a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Mutations in this gene cause the classical phenotype of multiminicore disease and congenital muscular dystrophy with spinal rigidity and restrictive respiratory syndrome. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Alias Symbols: FLJ24021, MDRS1, RSMD1, RSS, SELN, CFTD Protein Interaction Partner: ELAVL1, UBC, Protein Size: 556
Molecular Weight:	58 kDa
Gene ID:	57190
NCBI Accession:	NM_206926, NP_996809
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 556 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Western Blotting

Image 1. WB Suggested Anti-SEPN1 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate