Datasheet for ABIN7270196

anti-SEPN1 antibody (AA 341-590)

Go to Product page

Overview

Quantity:	100 µL
Target:	SEPN1
Binding Specificity:	AA 341-590
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEPN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	SEPN1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 341-590 of human SEPN1 (NP_065184.2).
Sequence:	VDMEWLYGAS ESSNMEVDIG YIPQMELEAT GPSVPSVILD EDGSMIDSHL PSGEPLQFVF EEIKWQQELS WEEAARRLEV AMYPFKKVSY LPFTEAFDRA KAENKLVHSI LLWGALDDQS CUGSGRTLRE TVLESSPILT LLNESFISTW SLVKELEELQ NNQENSSHQK LAGLHLEKYS FPVEMMICLP NGTVVHHINA NYFLDITSVK PEEIESNLFS FSSTFEDPST ATYMQFLKEG LRRGLPLLQP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification:	Affinity purification

Target Details

Target:	SEPN1
Alternative Name:	SEPN1 (SEPN1 Products)
Background:	This gene encodes a glycoprotein that is localized in the endoplasmic reticulum. It plays an important role in cell protection against oxidative stress, and in the regulation of redox-related calcium homeostasis. Mutations in this gene are associated with early onset muscle disorders, referred to as SEPN1-related myopathy. SEPN1-related myopathy consists of 4 autosomal recessive disorders, originally thought to be separate entities: rigid spine muscular dystrophy (RSMD1), the classical form of multiminicore disease, desmin related myopathy with Mallory-body like inclusions, and congenital fiber-type disproportion (CFTD). This protein is a selenoprotein, containing the rare amino acid selenocysteine (Sec). Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. A second stop-codon redefinition element (SRE) adjacent to the UGA codon has been identified in this gene (PMID:15791204). SRE is a phylogenetically conserved stem-loop structure that stimulates readthrough at the UGA codon, and augments the Sec insertion efficiency by SECIS. Alternatively spliced transcript variants have been found for this gene.,SELENON,CFTD,MDRS1,RSMD1,RSS,SELN,SEPN1,SEPN1
Molecular Weight:	62kDa/65kDa
Gene ID:	57190
UniProt:	Q9NZV5
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.