

Datasheet for ABIN2785128
anti-MTPN antibody (Middle Region)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	MTPN
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTPN antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MTPN
Sequence:	GRKPLHYAAD CGQLEILEFL LLKGADINAP DKHHITPLLS AVYEGHVSCV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against MTPN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MTPN
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Target Details

Alternative Name:	MTPN (MTPN Products)
Background:	<p>MTPN has a potential role in cerebellar morphogenesis. MTPN may function in differentiation of cerebellar neurons, particularly of granule cells. MTPN seems to be associated with cardiac hypertrophy. The transcript produced from this gene is bi-cistronic and can encode both myotrophin and leucine zipper protein 6. The myotrophin protein is associated with cardiac hypertrophy, where it is involved in the conversion of NFkappa B p50-p65 heterodimers to p50-p50 and p65-p65 homodimers. This protein also has a potential function in cerebellar morphogenesis, and it may be involved in the differentiation of cerebellar neurons, particularly of granule cells. A cryptic ORF at the 3' end of this transcript uses a novel internal ribosome entry site and a non-AUG translation initiation codon to produce leucine zipper protein 6, a 6.4 kDa tumor antigen that is associated with myeloproliferative disease.</p> <p>Alias Symbols: FLJ31098, GCDP, V-1</p> <p>Protein Interaction Partner: RBBP4, RAB1A, PTPN11, OXCT1, MTAP, PDIA3, ATP6V1A, UBC, NPLOC4, ELAVL1, MAPK1, CAPZB, RELA, NFKB1, REL, DSTYK,</p> <p>Protein Size: 118</p>
Molecular Weight:	13 kDa
Gene ID:	136319
NCBI Accession:	NM_145808 , NP_665807
UniProt:	P58546

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 118 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

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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.

Publications

Product cited in:	Collins, Wright, Edwards, Davis, Grinham, Cole, Goward, Aguado, Mallya, Mokrab, Huckle, Beare, Dunham: "A genome annotation-driven approach to cloning the human ORFeome." in: Genome biology , Vol. 5, Issue 10, pp. R84, (2004) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-MTPN Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human Thymus