

MTPN Polyclonal Antibody

Catalog No: YN2935

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: MTPN

Gene Name: MTPN

Protein Name: Myotrophin (Protein V-1)

P58546

P62774

Human Gene Id: 136319

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Rat Swiss Prot No: P62775

Immunogen: Synthesized peptide derived from part region of human protein AA range: 1-50

Specificity: MTPN Polyclonal Antibody detects endogenous levels of protein.

Formulation: Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000 ELISA 1:5000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 12kD

Background:

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. [provided by RefSeq, Jul 2008],

Function:

function:Potential role in cerebellar morphogenesis. May function in differentiation of cerebellar neurons, particularly of granule cells. Seems to be associated with cardiac hypertrophy.,induction:By IFNA1.,miscellaneous:Elicits IgG antibody response in a subset of polycythemia vera patients and as well in patients with chronic myelogenous leukemia and prostate cancer receiving IFNA1 or other therapy, suggesting that it is broadly immunogenic.,miscellaneous:This protein is produced by a bicistronic gene which also produces the MPD6 protein from a non-overlapping reading frame. MPD6 belongs to a group of cryptic antigens without conventional genomic structure. It is encoded by a cryptic open reading frame located in the 3'-untranslated region of MTPN.,miscellaneous:This protein is produced by a bicistronic gene which also produces the MTPN protein from a non-overlapping reading frame. LU

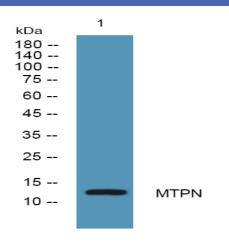
Subcellular Location:

Cytoplasm . Nucleus . Cytoplasm, perinuclear region .

Expression:

Ubiquitous.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night