

## MTPN Polyclonal Antibody

<b>Catalog No :</b>	YN2935
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	MTPN
<b>Gene Name :</b>	MTPN
<b>Protein Name :</b>	Myotrophin (Protein V-1)
<b>Human Gene Id :</b>	136319
<b>Human Swiss Prot No :</b>	P58546
<b>Mouse Swiss Prot No :</b>	P62774
<b>Rat Swiss Prot No :</b>	P62775
<b>Immunogen :</b>	Synthesized peptide derived from part region of human protein AA range: 1-50
<b>Specificity :</b>	MTPN Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**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

