



## Rabbit Anti-Myotrophin antibody

SL11891R

<b>Product Name:</b>	Myotrophin
<b>Chinese Name:</b>	颗粒Cell differentiation蛋白抗体
<b>Alias:</b>	FLJ31098; FLJ99857; GCDP; Granule cell differentiation protein; MTPN; MTPN_HUMAN; Myotrophin; Protein V 1; Protein V-1; V 1; MTPN_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	13kDa
<b>Cellular localization:</b>	The nucleocytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from humam Myotrophin/GCDP:41-118/118
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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:**

Potential role in cerebellar morphogenesis. May function in differentiation of cerebellar neurons, particularly of granule cells. Seems to be associated with cardiac hypertrophy.

**Subunit:**

Interacts with RELA (By similarity). Interacts with the heterodimer formed by CAPZA1 and CAPZB.

**Subcellular Location:**

Cytoplasm (Probable). Nucleus (By similarity). Cytoplasm, perinuclear region (By similarity).

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Belongs to the myotrophin family.  
Contains 3 ANK repeats.

**SWISS:**

P58546

**Gene ID:**

136319

**Database links:**

[Entrez Gene: 136319](#) Human

[Entrez Gene: 14489](#) Mouse

[Entrez Gene: 79215](#) Rat

[Entrez Gene: 403487](#) Dog

[Omim: 606484](#) Human

[SwissProt: Q863Z4](#) Dog

[SwissProt: P58546](#) Human

[SwissProt: P62774](#) Mouse

[SwissProt: P62775](#) Rat

[SwissProt: Q7T2B9](#) Zebrafish

[Unigene: 602015](#) Human

[Unigene: 182746](#) Mouse

[Unigene: 3239](#) Rat

[Unigene: 75187](#) Zebrafish

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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