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Datasheet for ABIN1393935

**anti-MTPN antibody (AA 41-118) (Alexa Fluor 350)**

## Overview

Quantity:	100 µL
Target:	MTPN
Binding Specificity:	AA 41-118
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTPN antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Myotrophin/GCDP
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	MTPN
Alternative Name:	Myotrophin/GCDP ( <a href="#">MTPN Products</a> )
Background:	Synonyms: FLJ31098, FLJ99857, GCDP, Granule cell differentiation protein, MTPN,

## Target Details

MTPN\_HUMAN, Myotrophin, Protein V 1, Protein V-1, V 1, MTPN\_HUMAN.

Background: Myotrophin (V-1 protein) is a ubiquitously expressed cytoplasmic protein that can translocate to the nucleus during sustained NFkB activation. The gene encoding for this protein localizes to chromosome 7q33. Myotrophin may be involved in cerebellar morphogenesis and contains an acetylated N-terminus and 2.5 internal 33 amino acid ankyrin repeats. It is important in the differentiation of cerebellar neurons, particularly of granule cells. The 117 amino acid protein has been associated with, and able to induce, cardiac hypertrophy. Myotrophin increases protooncogene, ANF and Beta-Myosin heavy chain transcript levels. Myotrophin is upregulated when myocytes undergo cyclic stretch or are treated with tumor necrosis factor Alpha (TNF Alpha) or interleukin-1Beta. Highest levels of Myotrophin are detected in brain and lowest levels in skeletal muscle.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months