

## Datasheet

### MTPN monoclonal antibody (M14), clone 1F3

**Catalog Number:** H00136319-M14

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full-length recombinant MTPN.

**Clone Name:** 1F3

**Immunogen:** MTPN (AAH28093, 1 a.a. ~ 118 a.a)  
full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MCDKEFMWALKNGGLDEVKDYVAKGEDVNRTLEGG  
RKPLHYAADCQGLEILEFLLKLGADINAPDKHHITPLLS  
AVYEGHVSCVKLLLSKGADKTVKGPDLTAFEATDNQ  
AIKALLQ

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, S-ELISA, WB-Re, WB-Tr  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 136319

**Gene Symbol:** MTPN

**Gene Alias:** FLJ31098, FLJ99857, GCDP, V-1

**Gene Summary:** 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]