

TPM2 Rabbit pAb

Catalog No.: A3096

Basic Information

Observed MW

36kDa

Calculated MW

33kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:100
IP	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

7169

Swiss Prot

P07951

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

DA1; DA2B; NEM4; TMSB; AMCD1; DA2B4; HEL-S-273; TPM2

Product Information

Source

Rabbit

Isotype

IgG

Purification

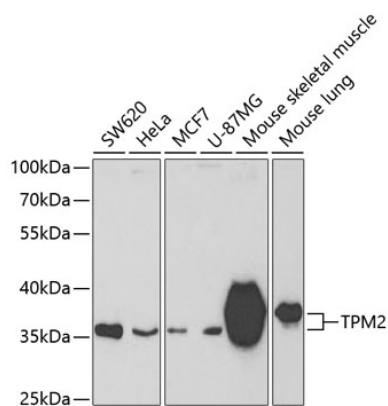
Affinity purification

Storage

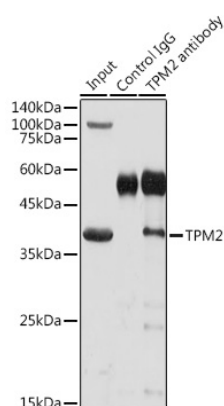
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

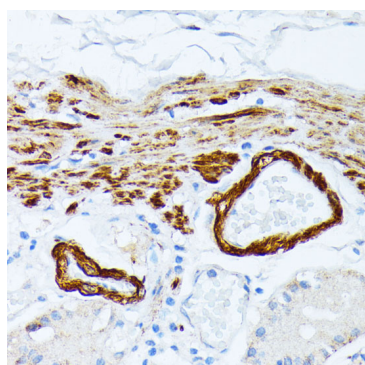
Validation Data



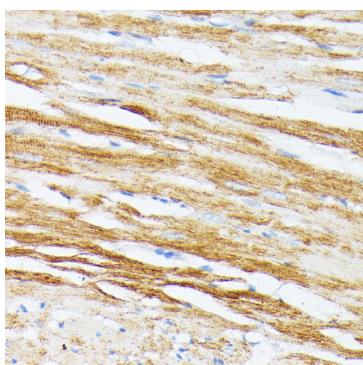
Western blot analysis of various lysates using TPM2 Rabbit pAb (A3096) at 1:400 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



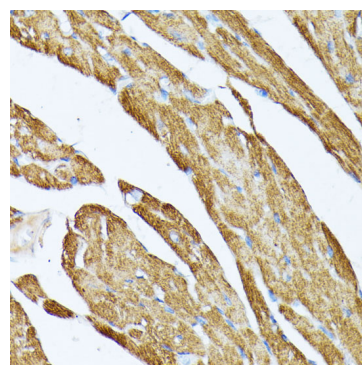
Immunoprecipitation analysis of 300 µg extracts of Mouse skeletal muscle cells using 3 µg TPM2 Rabbit pAb (A3096). Western blot was performed from the immunoprecipitate using TPM2 Rabbit pAb (A3096) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human stomach using TPM2 Rabbit pAb (A3096) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart using TPM2 Rabbit pAb (A3096) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using TPM2 Rabbit pAb (A3096) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.