

Datasheet for ABIN2776646  
**anti-TPM3 antibody (Middle Region)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µL
Target:	TPM3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPM3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TPM3
Sequence:	TEERAELAES RCREMDEQIR LMDQNLKCLS AAEEKYSQKE DKYEEEIKIL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against TPM3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	TPM3
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## Target Details

Alternative Name: TPM3 ([TPM3 Products](#))

Background: TPM3 is a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Mutations in this gene result in autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are associated with cancer. This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Mutations in this gene result in autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are associated with cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: FLJ41118, MGC14582, MGC3261, MGC72094, NEM1, OK/SW-cl.5, TM-5, TM3, TM30, TM30nm, TPMsk3, TRK, hscp30, TM5, CFTD, hTM5

Protein Interaction Partner: TLK1, MAD1L1, TRIP6, TPM3, TP53, TNNT1, VPS52, TRIM27, PBX3, MAGEA11, KIFC3, KCNE1, IFIT3, HSF2, LURAP1, WASH3P, HDDC3, FAM9C, LCA5L, C1orf216, IKBIP, SYCE1, CCDC114, CCDC102B, KXD1, CCDC146, THAP1, CCHCR1, TFPT, BLOC1S6, OIP5, UBC, MDM2, RNF2, MAGED2, MG

Protein Size: 285

Molecular Weight: 33 kDa

Gene ID: 7170

NCBI Accession: [NM\\_153649](#), [NP\\_705935](#)

UniProt: [P06753](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 285 AA

Restrictions: For Research Use only

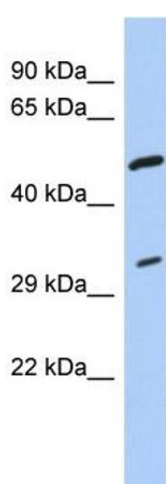
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Ramsey, Clarke, Roberts, Sullivan, Johnson, Liu: "An economic evaluation of atorvastatin for primary prevention of cardiovascular events in type 2 diabetes." in: <b>PharmacoEconomics</b> , Vol. 26, Issue 4, pp. 329-39, (2008) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** WB Suggested Anti-TPM3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: THP-1 cell lysate