

Datasheet for ABIN955336

## anti-Tropomyosin 4 antibody (N-Term)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	0.4 mL
Target:	Tropomyosin 4 (TPM4)
Binding Specificity:	AA 33-62, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tropomyosin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide between 33-62 amino acids from the N-terminal region of human TPM4
Isotype:	Ig Fraction
Specificity:	This antibody detects Tropomyosin-4 (TPM4) (N-term).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column followed by peptide affinity purification

#### Target Details

Target:	Tropomyosin 4 (TPM4)
Alternative Name:	Tropomyosin-4 (TPM4) ( <a href="#">TPM4 Products</a> )

## Target Details

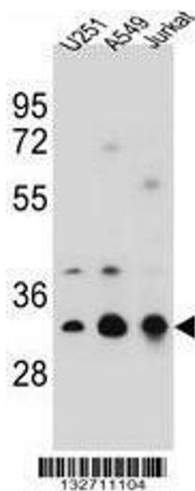
Background:	This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].Synonyms: TM30p1, Tropomyosin alpha-4 chain
Gene ID:	7171
NCBI Accession:	<a href="#">NP_001138632</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



### Western Blotting

**Image 1.** TPM4 Antibody (N-term) western blot analysis in U251,A549,Jurkat cell line lysates (35 µg/lane). This demonstrates the TPM4 antibody detected the TPM4 protein (arrow).