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Datasheet for ABIN2786043

anti-TMOD3 antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	TMOD3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMOD3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TMOD3
Sequence:	ITNTKFCNIM GSSNGVDQEH FSNVVKGEKI LPVFDEPPNP TNVEESLKRT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against TMOD3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TMOD3
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Target Details

Alternative Name: [TMOD3 \(TMOD3 Products\)](#)

Background: TMOD3 belongs to the tropomodulin family. It blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton. This gene is a necessary element in receptor tyrosine kinase pathways, possibly as a tyrosine phosphorylation target. It is involved in regulation of RAF in the MAPK pathway and may also play a role in a MAPK-independent pathway.

Alias Symbols: UTMOD

Protein Interaction Partner: UBC, PABPC1, YWHAE, PSMD9, PPP1CA, DHX15, PAN2, CSNK2A1, HNRNPUL2, PPIL3, AHCYL1, SULT1A1, PSMC4, PSMB7, NPC1, ATP6V1B1, LRRK2, FBXO25, ISG15, ARRB2, ARRB1, ELAVL1, SUMO2, DUSP23, TNFSF11, MAP1LC3B, Poc1b, Tubgcp3, Sass6, Trim69, Stag2, Pafah1b1, Erh, Cdk

Protein Size: 352

Molecular Weight: 39 kDa

Gene ID: 29766

NCBI Accession: [NM_014547](#), [NP_055362](#)

UniProt: [Q9NYL9](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

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

Comment: Antigen size: 352 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

Handling

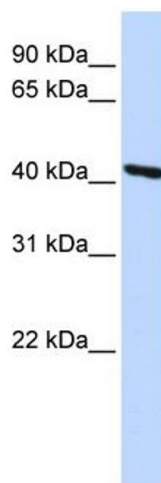
should be handled by trained staff only.

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.

Images



Western Blotting

Image 1. WB Suggested Anti-TMOD3 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: HepG2 cell lysate