Datasheet for ABIN955076

anti-TAPT1 antibody (C-Term)

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Overview

Quantity:	0.4 mL
Target:	TAPT1
Binding Specificity:	AA 533-562, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAPT1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 533-562 amino acids from the C-terminal region of human TAPT1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to TAPT1.
Cross-Reactivity (Details):	Species reactivity (expected):ChickenSpecies reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	TAPT1
Alternative Name:	TAPT1 (TAPT1 Products)

Target Details

Background:	This gene encodes a highly conserved, putative transmembrane protein. A mutation in the mouse ortholog of this gene results in homeotic, posterior-to-anterior transformations of the axial skeleton which are similar to the phenotype of mouse homeobox C8 gene mutants. This gene is proposed to function downstream of homeobox C8 to transduce extracellular patterning information during axial skeleton development. An alternatively spliced transcript variant encoding a substantially different isoform has been described, but its biological validity has not been determined.Synonyms: CMVFR, Transmembrane anterior posterior transformation protein 1 homolog
Molecular Weight:	64260 Da
Gene ID:	202018
NCBI Accession:	NP_699196
Pathways:	SARS-CoV-2 Protein Interactome

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, 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 the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in:	Kumazawa, Nishimura, Katagiri, Hashimoto, Hayashi, Kimura: "Gradual reduction in rRNA

Publications

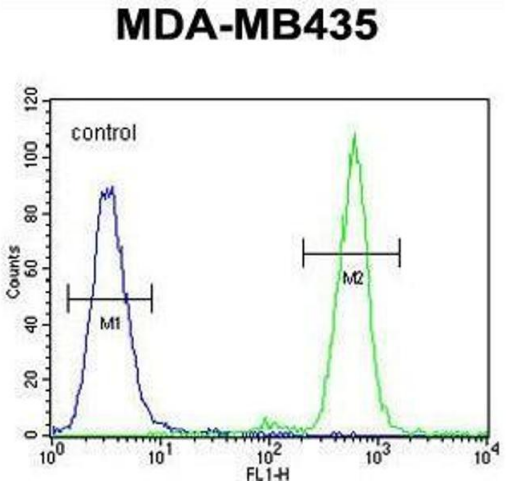
transcription triggers p53 acetylation and apoptosis via MYBBP1A." in: **Scientific reports**, Vol. 5, pp. 10854, (2016) (PubMed).

Gonçalves, Cordeiro, Monteiro, Lucchi, Correia-de-Sá, Videira: "Involvement of mitochondrial proteins in calcium signaling and cell death induced by staurosporine in Neurospora crassa." in: **Biochimica et biophysica acta**, Vol. 1847, Issue 10, pp. 1064-74, (2015) (PubMed).

Baldwin, Zhang, Keay: "Cloning and epitope mapping of a functional partial fusion receptor for human cytomegalovirus gH." in: **The Journal of general virology**, Vol. 81, Issue Pt 1, pp. 27-35, (2000) (PubMed).

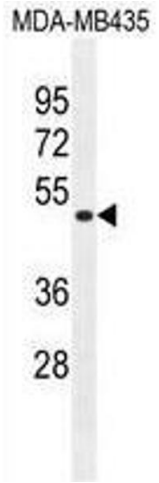
Baldwin, Kleinberg, Keay: "Molecular cloning and expression of receptor peptides that block human cytomegalovirus/cell fusion." in: **Biochemical and biophysical research communications**, Vol. 219, Issue 2, pp. 668-73, (1996) (PubMed).

Images



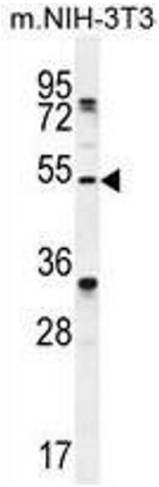
Flow Cytometry

Image 1. TAPT1 Antibody (C-term) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. TAPT1 Antibody (C-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the TAPT1 antibody detected the TAPT1 protein (arrow).



Western Blotting

Image 3. TAPT1 Antibody (C-term) western blot analysis in mouse NIH-3T3 cell line lysates (35µg/lane).This demonstrates the TAPT1 antibody detected the TAPT1 protein (arrow).