

Datasheet for ABIN2777952

**anti-Tumor Protein p73 antibody (N-Term)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µL
Target:	Tumor Protein p73 (TP73)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Zebrafish (Danio rerio), Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tumor Protein p73 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TP73
Sequence:	AQSTATSPDG GTTFEHLWSS LEPDSTYFDL PQSSRGNNEV VGGTDSSMDV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 86%, Human: 100%, Mouse: 93%, Pig: 92%, Rat: 93%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against TP73. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	Tumor Protein p73 (TP73)
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## Target Details

Alternative Name:	TP73 ( <a href="#">TP73 Products</a> )
Background:	<p>TP73 belongs to the p53 family. It participates in the apoptotic response to DNA damage. When overproduced, it activates transcription from p53-responsive promoters and induces apoptosis. TP53 may be a tumor suppressor protein. This gene encodes tumor protein p73, which is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The family members include p53, p63, and p73 and have high sequence similarity to one another, which allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can interact with each other in many ways involving direct or indirect protein interactions, resulting in regulation of the same target gene promoters or regulation of each other's promoters. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. The p73 gene expresses at least 35 mRNA variants due to the use of alternate promoters, alternate translation initiation sites, and multiple splice variations. Theoretically this can account for 29 different p73 isoforms, however, the biological validity and the full-length nature of most variants have not been determined.</p> <p>Alias Symbols: P73</p> <p>Protein Interaction Partner: FUS, YAP1, WWOX, UBC, TRIM32, SOX2, PFDN5, MYC, EP300, CDK2, CCNE1, CCNB1, CCNA2, CCND1, XPO1, PIN1, AURKA, PRKACA, MAD2L1, HSPA9, CDC20, TP53BP1, RBX1, DDB1, RCHY1, KAT2B, NEDD8, MDM2, IKBKB, DAXX, CHUK, BUB1B, BRCA1, TNK2, AMPH, CREBBP, KAT5, CEP131, MD</p> <p>Protein Size: 636</p>
Molecular Weight:	69 kDa
Gene ID:	7161
NCBI Accession:	<a href="#">NM_005427</a> , <a href="#">NP_005418</a>
UniProt:	<a href="#">O15350</a>
Pathways:	<a href="#">Regulation of Cell Size</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 636 AA
Restrictions:	For Research Use only

Handling

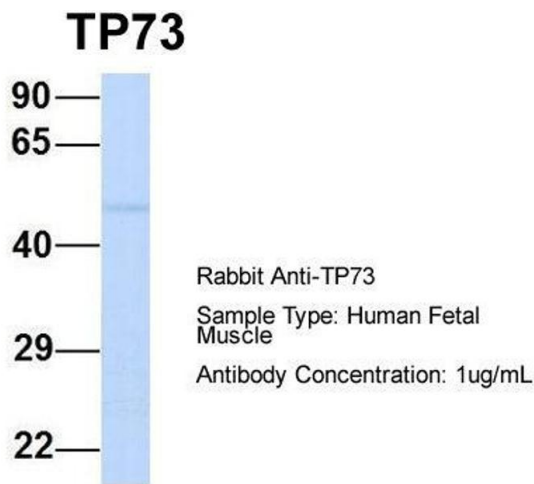
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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.

Images



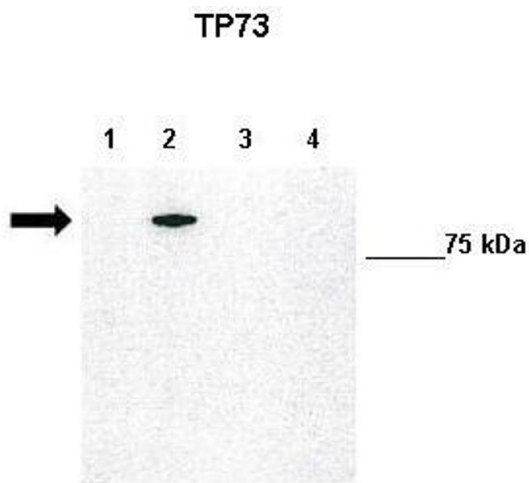
**Western Blotting**

**Image 1.** WB Suggested Anti-TP73 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate



**Western Blotting**

**Image 2.** Host: Rabbit Target Name: TP73 Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml



**Western Blotting**

**Image 3.** WB Suggested Anti-TP73 Antibody Positive Control: Lane1: 10ug untransfected H1299, Lane2: 10ug GFP-TAp73 transfected H1299, Lane3: 10ug GFP-DNp73 transfected H1299, Lane4: 10ug GFP-DBDp73 transfected H1299 Primary Antibody Dilution : 1:1000 Secondary Antibody : Anti-rabbit-HRP Secondary Antibody Dilution : 1:5000 Submitted by: Francesca Grespi, VIB-Department for Molecular Biomedical Research, University of Gent