

Datasheet for ABIN3043469  
**anti-Tumor Protein p73 antibody (AA 1-198)**

5 Images

2 Publications

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## Overview

Quantity:	100 µg
Target:	Tumor Protein p73 (TP73)
Binding Specificity:	AA 1-198
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tumor Protein p73 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor protein p73(TP73) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human p73 recombinant protein (Position: M1-E198). Human p73 shares 96% amino acid (aa) sequence identity with mouse p73.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Tumor protein p73(TP73) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: tumor protein p73</p> <p>Protein Name: Tumor protein p73</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	Tumor Protein p73 (TP73)
Alternative Name:	TP73 ( <a href="#">TP73 Products</a> )
Background:	<p>P73, also known as tumor protein 73(TP73), encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It is mapped to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed (likely from the maternal allele), supports the notion that it is a candidate gene for neuroblastoma. Furthermore, recent finding are suggesting that over-expression of transcription factors involved in cell cycle regulation and synthesis of DNA in mammalian cells (e.g.: E2F-1) induces the expression of p73. In addition, p73 is a substrate of the c-Abl kinase and that the ability of c-Abl to phosphorylate p73 is markedly increased by gamma-irradiation.</p> <p>Synonyms: p53 like transcription factor antibody p53 Related Protein antibody p53 Related Protein antibody p53-like transcription factor antibody p53-related protein antibody p73 antibody P73_HUMAN antibody TP 73 antibody TP73 antibody TP73 antibody Tumor Protein p73 antibody Tumor Protein p73 antibody</p>
Gene ID:	7161
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:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for p73 is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

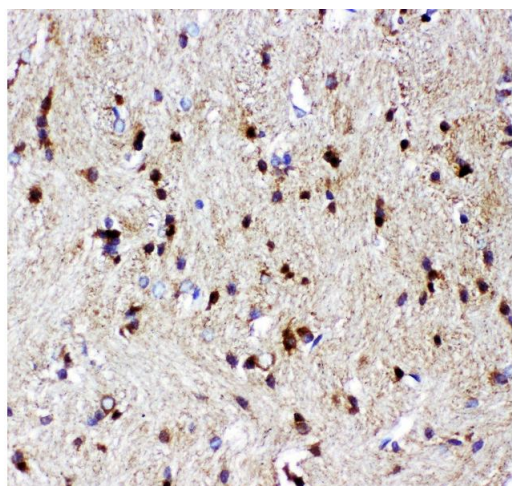
## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg 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:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Publications

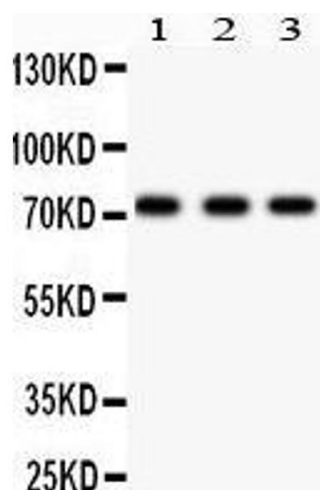
Product cited in:	Li, Zhao, Qi, Wang, Zhang, Li, Qin: "lncRNA Ftx promotes aerobic glycolysis and tumor progression through the PPAR $\gamma$ pathway in hepatocellular carcinoma." in: <b>International journal of oncology</b> , Vol. 53, Issue 2, pp. 551-566, (2018) ( <a href="#">PubMed</a> ).
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## Images



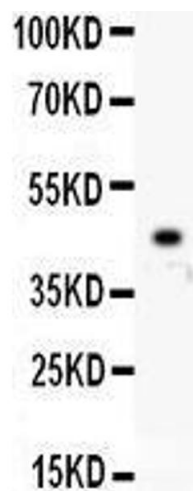
### Immunohistochemistry

**Image 1.** Anti- p73 antibody, IHC(P) IHC(P): Rat Brain Tissue



**Western Blotting**

**Image 2.** Anti- p73 antibody, Western blotting All lanes: Anti p73 at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 73KD Observed bind size: 73KD



**Western Blotting**

**Image 3.** Observed bind size: 45KD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043469.