Datasheet for ABIN652829

# anti-Tumor Protein p73 antibody (AA 288-317)

4 Images

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## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | Tumor Protein p73 (TP73) |
| Binding Specificity: | AA 288-317 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Tumor Protein p73 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS) |

## Product Details

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| Immunogen: | This TP73 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 288-317 amino acids from the Central region of human TP73. |
| Clone: | RB21274 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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| Target: | Tumor Protein p73 (TP73) |
| Alternative Name: | TP73 (TP73 Products) |

 

## Target Details

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| Background: | TP73 is 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. |
| Molecular Weight: | 69623 |
| Gene ID: | 7161 |
| NCBI Accession: | NP_001119712, NP_001119713, NP_001119714, NP_001191113, NP_001191114, NP_001191115, NP_001191117, NP_001191118, NP_001191119, NP_001191120, NP_001191121, NP_005418 |
| UniProt: | O15350 |
| Pathways: | Regulation of Cell Size, Positive Regulation of Response to DNA Damage Stimulus |

## Application Details

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| Application Notes: | IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

## Handling

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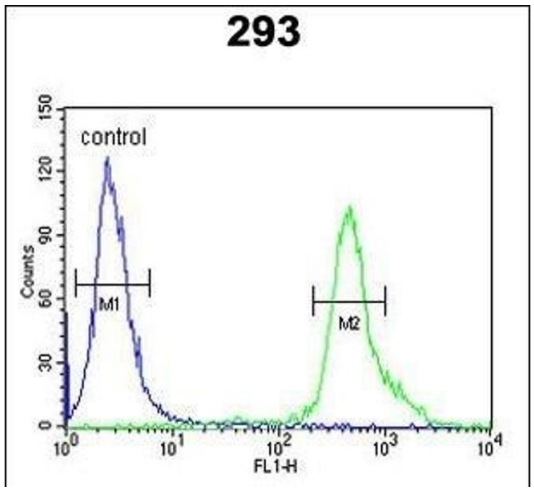
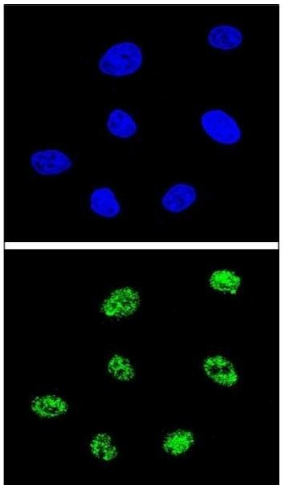
|---|---|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



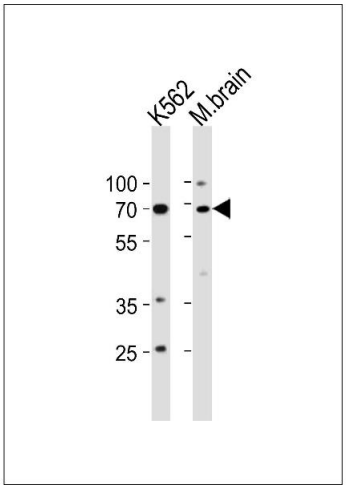

## Flow Cytometry

**Image 1.** TP73 Antibody (Center) (ABIN652829 and ABIN2842541) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



## Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of TP73 Antibody (Center) (ABIN652829 and ABIN2842541) with 293 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green).DI was used to stain the cell nuclear (blue).




## Western Blotting

**Image 3.** TP73 Antibody (Center) (ABIN652829 and ABIN2842541) western blot analysis in K562 cell line and mouse brain tissue lysates (35 µg/lane).This demonstrates the TP73 antibody detected the TP73 protein (arrow).

Please check the product details page for more images. Overall 4 images are available for ABIN652829.