

Datasheet for ABIN3044038
anti-TP53BP1 antibody (C-Term)

5 Images

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Overview

Quantity:	100 µg
Target:	TP53BP1
Binding Specificity:	AA 1955-1972, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TP53BP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor suppressor p53-binding protein 1(TP53BP1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human 53BP1(1955-1972aa ERIGFKQHPKYKH DYVSH), identical to the related mouse sequence.
Sequence:	ERIGFKQHPK YKH DYVSH
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Tumor suppressor p53-binding protein 1(TP53BP1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: tumor protein p53 binding protein 1

Product Details

Protein Name: Tumor suppressor p53-binding protein 1

Purification: Immunogen affinity purified.

Target Details

Target: TP53BP1

Alternative Name: TP53BP1 ([TP53BP1 Products](#))

Background: TP53BP1(Tumor Protein p53-Binding Protein 1), also called 53BP1, is a protein that in humans is encoded by the TP53BP1 gene. Iwabuchi et al.(1998) mapped the TP53BP1 gene to 15q15-q21 by FISH. Iwabuchi et al.(1994) showed that TP53BP1 binds to the conformationally sensitive central domain of wildtype p53 but not to mutant p53 in vitro. Immunoblot analysis by Iwabuchi et al.(1998) showed that expression of TP53BP1 or TP53BP2 enhances the transactivation function of p53 and induces the expression of p21(CDKN1A). Wang et al.(2002) used small interfering RNA directed against TP53BP1 in mammalian cells to demonstrate that TP53BP1 is a key transducer of the DNA damage checkpoint signal. TP53BP1 was required for p53 accumulation, G2/M checkpoint arrest, and the intra-S-phase checkpoint in response to ionizing radiation.

Synonyms: 53 BP1 antibody|53BP1 antibody|FLJ41424 antibody|MGC138366 antibody|p202 antibody|p53 binding protein 1 antibody|p53 BP1 antibody|p53-binding protein 1 antibody|p53BP1 antibody|TP53 BP1 antibody|TP53B_HUMAN antibody|TP53BP1 antibody|TRP53 BP1 antibody|Tumor protein 53 binding protein 1 antibody|Tumor protein p53 binding protein 1 antibody|Tumor suppressor p53 binding protein 1 antibody|Tumor suppressor p53-binding protein 1 antibody

UniProt: [Q12888](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Predicted Species: Rat, The detection limit for TP53BP1 is approximately 2.5 ng/lane under reducing conditions.
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.
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat

Application Details

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

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 Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

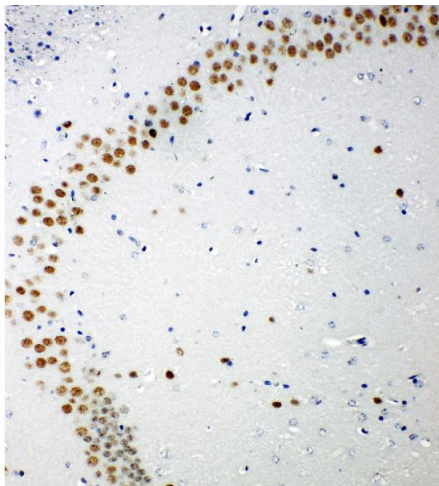
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

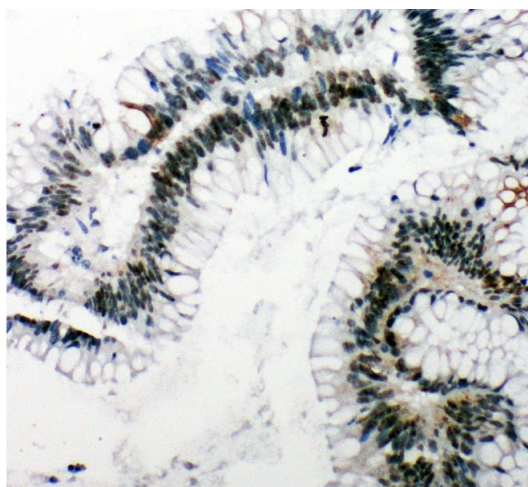
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



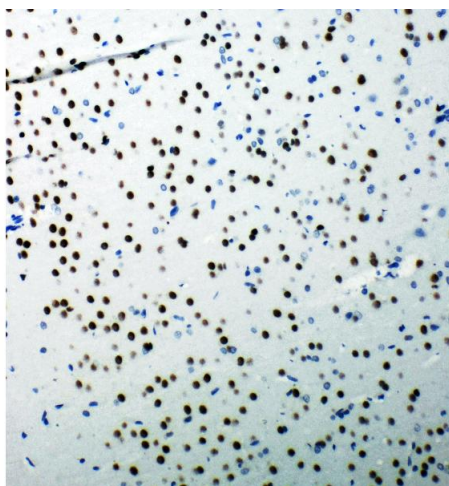
Immunohistochemistry

Image 1. Anti-53BP1 antibody, IHC(P) IHC(P): Mouse Brain Tissue



Immunohistochemistry

Image 2. Anti-53BP1 antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue



Immunohistochemistry

Image 3. Anti-53BP1 antibody, IHC(P) IHC(P): Rat Brain Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3044038.