

53BP1 Antibody | anti-53BP1 antibody

53BP1 (Phospho-Ser25) Antibody

CATALOG # AAA109927	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry
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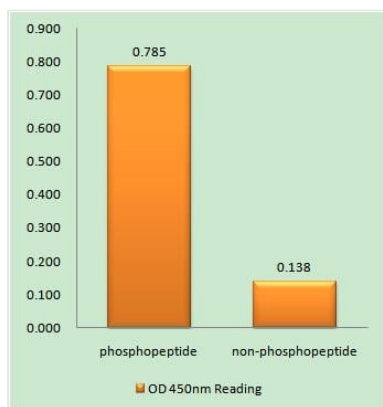
PRODUCT SYNONYMS

53BP1; 53BP1 (Phospho-Ser25) Antibody; P531; TP53B; TP53BP1; TRP53BP1; Tumor suppressor p53-binding protein 1; p53-binding protein 1; anti-53BP1 antibody

PRODUCT SPECIFICATIONS

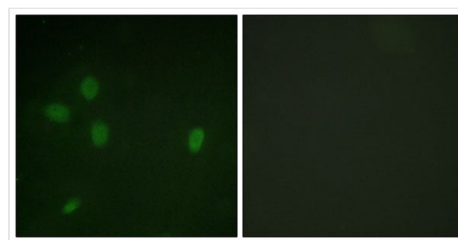
Reactivity	Human, Mouse, Rat
Specificity	53BP1 (Phospho-Ser25) antibody detects endogenous levels of 53BP1 only when phosphorylated at serine 25.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1975
Applicable Applications for anti-53BP1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human 53BP1 around the phosphorylation site of serine 25 (E-D-SP-Q-P).
All Sites	Human: Ser25 Mouse: Ser25 Rat: Ser30
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



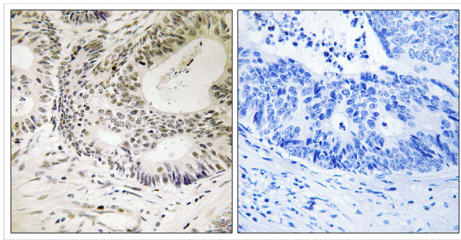
Application Data

53BP1 (Phospho-Ser25) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using 53BP1 (Phospho-Ser25) antibody. Immunofluorescence analysis of NIH/3T3 cells, using 53BP1 (Phospho-Ser25) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-TP53BP1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Irene M. Ward. Mol. Cell. Biol., Nov 2005; 25: 10079-10086. Fiona Pryde. J. Cell Sci., May 2005; 118: 2043-2055. Julio C. Morales. J. Biol. Chem., Apr 2003; 278: 14971-14977.

NCBI AND UNIPROT INFORMATION

NCBI GI #	213972634
NCBI GeneID	7158
NCBI Accession #	NP_001135451.1
NCBI GenBank Nucleotide #	NM_001141979.2
UniProt Accession #	Q12888; Q2M1Z7; Q4LE46; Q5FWZ3; Q7Z3U4; F8VY86
Molecular Weight	213,989 Da
NCBI Official Full Name	TP53-binding protein 1 isoform 2
NCBI Official Synonym Full Names	tumor protein p53 binding protein 1
NCBI Official Symbol	TP53BP1
NCBI Official Synonym Symbols	TP53; p202; 53BP1; TDRD30; p53BP1
NCBI Protein Information	TP53-binding protein 1
UniProt Protein Name	TP53-binding protein 1
UniProt Gene Name	TP53BP1
UniProt Synonym Gene Names	p53BP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/53bp1/109927>