

Human Tumor Suppressor p53-Binding Protein 1 (TP53BP1) ELISA Kit | TP53BP1 elisa kit

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CATALOG #
AAA330377

REACTIVITY
Human

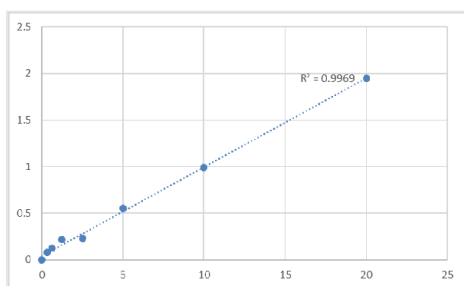
PRODUCT SYNONYMS

Tumor Suppressor p53-Binding Protein 1 (TP53BP1); Human Tumor Suppressor p53-Binding Protein 1 (TP53BP1) ELISA Kit; TP53BP1; 53BP1; FLJ41424; MGC138366; p202; tumor protein 53-binding protein; 1; tumor protein p53-binding protein; TP53BP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tumor suppressor p53-binding protein 1 (TP53BP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TP53BP1. No significant cross-reactivity or interference between Human TP53BP1 and analogues was observed.
Sequence Length	1975
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tumor suppressor p53-binding protein 1 (TP53BP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TP53BP1 elisa kit	Description: This Human Tumor suppressor p53-binding protein 1 (TP53BP1) ELISA Kit employs a two-site sandwich ELISA to quantitate TP53BP1 in samples. An antibody specific for TP53BP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TP53BP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TP53BP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TP53BP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TP53BP1 has a predicted molecular mass of 217 kD and shows homology in its C-terminal 247 amino acids to the C terminus of the tumor suppressor protein BRCA1. TP53BP1 was present in both the cytoplasm and nucleus in some cells and only in the nucleus in others. Furthermore, there were 2 nuclear staining patterns, one homogeneous staining and the other dot staining. TP53BP1 was required for p53 accumulation, G2/M checkpoint arrest, and the intra-S-phase checkpoint in response to ionizing radiation. TP53BP1 played a partially redundant role in phosphorylation of the downstream checkpoint effector proteins BRCA1 and CHK2 but was required for the formation of BRCA1 foci in a hierarchical branched pathway for the recruitment of repair and signaling proteins to sites of DNA damage.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	213972634
NCBI GeneID	7158
NCBI Accession #	NP_001135451.1
NCBI GenBank Nucleotide #	NP_001135451.1
UniProt Accession #	Q12888
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	p202; 53BP1; TDRD30; p53BP1
NCBI Protein Information	TP53-binding protein 1
UniProt Protein Name	Tumor suppressor p53-binding protein 1
UniProt Gene Name	TP53BP1
UniProt Synonym Gene Names	53BP1; p53-binding protein 1; p53BP1
UniProt Entry Name	TP53B_HUMAN

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://www.aaabiotech.com/human-elisa-kits/tumor-suppressor-p53-binding-protein-1-tp53bp1/330377>