53BP2/ASPP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	53BP2/ASPP2, Polyclonal Antibody
Full Product Name	53BP2/ASPP2 Rabbit pAb
Product Gene Name	anti-53BP2/ASPP2 antibody
Product Synonym Names	BBP; 53BP2; ASPP2; P53BP2; PPP1R13A
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 50nM Tris-Glycine (pH 7.4), 0.15M Nacl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Purity/Purification	Affinity purified
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Molecular Weight	125616 MW
OMIM	U58334 mRNA
3D Structure	ModBase 3D Structure for Q13625
Immunogen	A synthetic peptide of human 53BP2/ASPP2
Product Categories/Family for anti-53BP2/ASPP2 antibody	Primary antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-53BP2/ASPP2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-53BP2/ASPP2 antibody	WB: 1:2000-1:10000 IHC: 1:20-1:50 ICC/IF: 1:20-1:100
Related Product Information for anti-53BP2/ASPP2 antibody	Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of APPBP1 to conjugate NEDD8 to CUL1, and thereby decreases APPBP1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42.
Other Notes	Small volumes of anti-53BP2/ASPP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for 53BP2/ASPP2 purchase	MBS8575845 is an antibody targeting 53BP2/ASPP2. Also known as 53BP2/ASPP2 Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for 53BP2/ASPP2. It may not necessarily be applicable to this product.

NCBI GI #	112799849

NCBI GeneID	7159
NCBI Accession #	NP_001026855.2
UniProt Primary Accession #	Q13625
UniProt Secondary Accession #	Q12892; Q86X75; Q96KQ3; B4DG66
UniProt Related Accession #	Q13625
GenBank Nucleotide #	NM_001031685.2
NCBI Official Full Name	apoptosis-stimulating of p53 protein 2 isoform 1
NCBI Official Synonym Full Names	tumor protein p53 binding protein 2
NCBI Official Symbol	TP53BP2
NCBI Official Synonym Symbols	BBP; 53BP2; ASPP2; P53BP2; PPP1R13A
UniProt Protein Name	Apoptosis-stimulating of p53 protein 2
UniProt Synonym Protein Names	Bcl2-binding protein; Bbp; Renal carcinoma antigen NY-REN-51; Tumor suppressor p53-binding protein 2; 53BP2; p53-binding protein 2; p53BP2
UniProt Gene Name	TP53BP2
UniProt Synonym Gene Names	ASPP2; BBP; Bbp; 53BP2; p53-binding protein 2; p53BP2
NCBI Protein Information	apoptosis-stimulating of p53 protein 2
NCBI Summary for 53BP2/ASPP2	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. It is localized to the perinuclear region of the cytoplasm, and regulates apoptosis and cell growth through interactions with other regulatory molecules including members of the p53 family. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Research Articles on 53BP2/ASPP2	**1.** These findings identify TP53BP2 as a strong candidate causative gene for central nervous system (CNS) defects in 1q41q42 microdeletion syndrome.
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