

Product datasheet for **AP20288PU-N**

53BP1 (TP53BP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to the N-terminus of Human 53BP1.
Specificity:	This antibody detects endogenous levels of 53BP1 protein.
Formulation:	PBS, pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~213 kDa
Gene Name:	tumor protein p53 binding protein 1
Database Link:	Entrez Gene 296099 Rat Entrez Gene 7158 Human Q12888
Background:	p53 binding protein 1 (53BP1) plays a critical role in tumor suppression and is a putative substrate of ATM kinase. Upon DNA damage, it is phosphorylated and relocalizes to the presumptive sites of damage, specifically, double strand breaks. This also suggests a role in DNA repair, maintaining genomic stability.

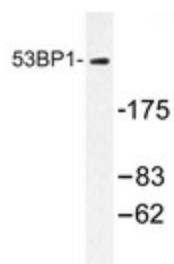


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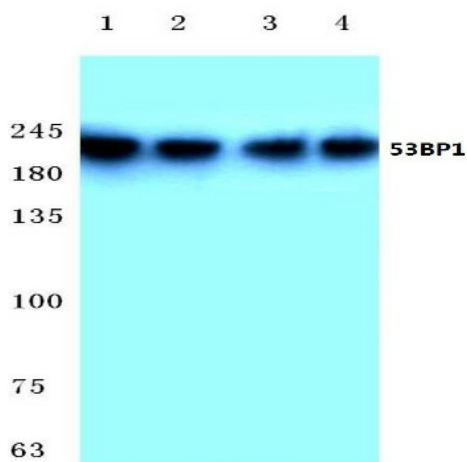
Synonyms: p53-binding protein 1, p53BP1, 53BP1

Protein Families: Druggable Genome, Transcription Factors

Product images:



Western blot analysis of 53BP1 antibody in extracts from A549 cells.



Western blot analysis of 53BP1 antibody at 1/500 dilution: Lane 1: Hela cell lysate. Lane 2: sp2/0 cell lysate. Lane 3: Rat Kidney tissue lysate. Lane 4: PC12 cell lysate.