

DATASHEET

53BP2 Rabbit Monoclonal Antibody(C1789)

CAT. NO. AMA01401

KEY FEATURES

| | | | |
|---------------|--|---------------|--------------|
| Target | 53BP2 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Monoclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions with proteins such as TP53 . Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of NAE1 to conjugate NEDD8 to CUL1, and thereby decreases NAE1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

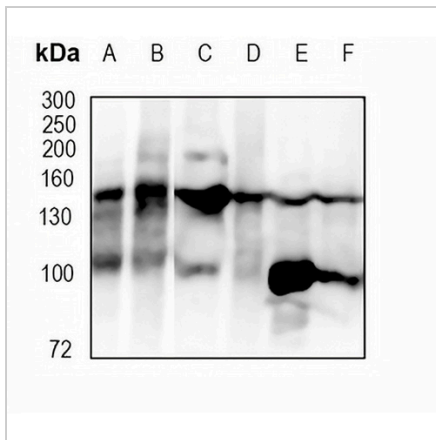
| | |
|-------------------|--|
| Description | Recombinant rabbit monoclonal antibody to 53BP2 |
| Specificity | Recognizes endogenous levels of 53BP2 protein |
| Antibody Type | Primary antibody, Recombinant |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within human 53BP2 protein. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 125 kD; Observed: 150 kD |
| Form/Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. |
| Alternative Names | ASPP2; BBP; Apoptosis-stimulating of p53 protein 2; Bcl2-binding protein; Bbp; Renal carcinoma antigen NY-REN-51; Tumor suppressor p53-binding protein 2; 53BP2; p53-binding protein 2; p53BP2 |
| Gene Symbol | TP53BP2 |
| Entrez Gene | 7159(Human); 209456(Mouse) |
| SwissProt | Q13625(Human); Q8CG79(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**53BP2 Rabbit Monoclonal Antibody(C1789)**

CAT. NO. AMA01401

DATA

Western blot analysis of 53BP2 expression in MCF7 (A), THP1 (B), U87 (C), mouse liver (D), mouse muscle (E), rat liver (F) whole cell lysates. (Predicted band size: 125 kD; Observed band size: 150 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.