

53BP1 Rabbit pAb

Catalog No.: A5757

8 Publications

Basic Information

Observed MW

450kDa

Calculated MW

214kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a protein that functions in the DNA double-strand break repair pathway choice, promoting non-homologous end joining (NHEJ) pathways, and limiting homologous recombination. This protein plays multiple roles in the DNA damage response, including promoting checkpoint signaling following DNA damage, acting as a scaffold for recruitment of DNA damage response proteins to damaged chromatin, and promoting NHEJ pathways by limiting end resection following a double-strand break. These roles are also important during V(D)J recombination, class switch recombination and at unprotected telomeres. Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:500 - 1:1000**IHC-P** 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7158

Swiss Prot

Q12888

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

p202; 53BP1; TDRD30; p53BP1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

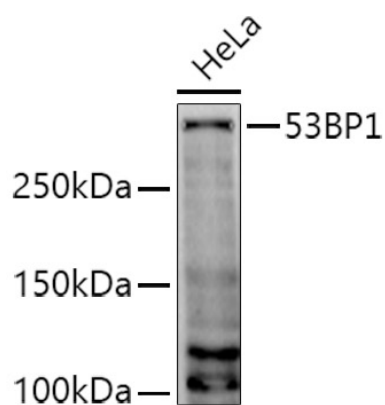
Affinity purification

Storage

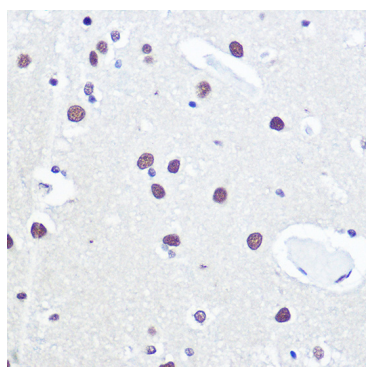
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using 53BP1 Rabbit pAb (A5757) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human brain using 53BP1 Rabbit pAb (A5757) at dilution of 1:100 (40x lens).
High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.