

A3859

Leader in Biomolecular Solutions for Life Science



53BP1 Rabbit mAb

Catalog No.: A3859

Recombinant

Basic Information

Observed MW

450kDa

Calculated MW

214kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse

CloneNo number

ARC0850

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

IHC-P 1:50 - 1:200

IF/ICC 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

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human 53BP1 (Q12888).

Synonyms

p202; 53BP1; TDRD30; p53BP1

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

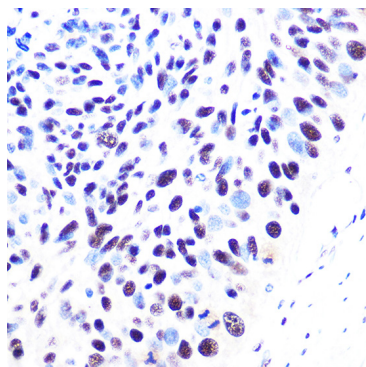
Affinity purification

Storage

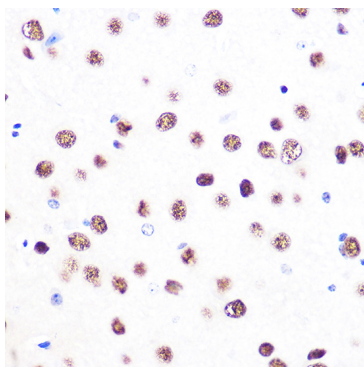
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

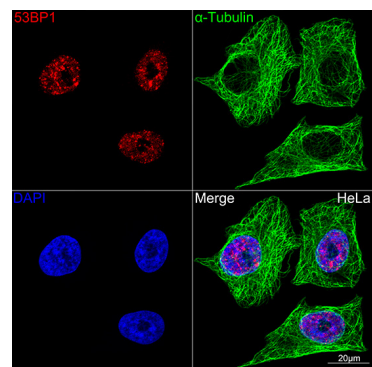
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using 53BP1 Rabbit mAb (A3859) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using 53BP1 Rabbit mAb (A3859) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Confocal imaging of HeLa cells using 53BP1 Rabbit mAb (A3859, dilution 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.