bs-3020R

[Primary Antibody]

BIOSS

phospho-p53BP1 (Ser25 + Ser29) Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 7158 **SWISS:** Q12888

Target: p53BP1 (Ser25 + Ser29)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

p53BP1 around the phosphorylation site of Ser25/29: ED(p-

S)QPE(p-S)QV.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

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, 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.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:100-500)

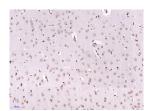
Reactivity: Mouse, Rat

(predicted: Human, Rabbit, Pig, Cow, Dog, Horse)

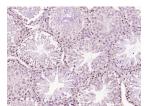
Predicted MW.: 213 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-p53BP1 (Ser25 + Ser29)) Polyclonal Antibody, Unconjugated (bs-3020R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-p53BP1 (Ser25 + Ser29)) Polyclonal Antibody, Unconjugated (bs-3020R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

- SELECTED CITATIONS -

• [IF=4.6] Cai, Zhiqiang, et al. "Oncogenic miR-17/20a Forms a Positive Feed-forward Loop with the p53 Kinase DAPK3 to Promote Tumorigenesis." Journal of Biological Chemistry (2015): jbc-M115. WB; Human. 26117336