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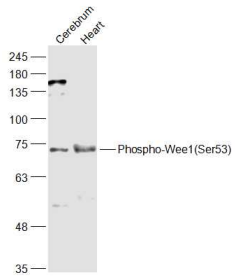
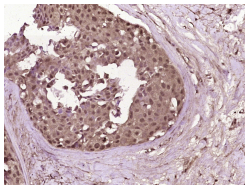
Phospho-Wee1 (Ser53) Rabbit pAb

Catalog Number:	bs-5589R
Target Protein:	Phospho-Wee1 (Ser53)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Chicken, Dog)
Predicted MW:	72 kDa
Subcellular Locations:	Nucleus
Entrez Gene:	7465
Swiss Prot:	P30291
Source:	KLH conjugated synthesised phosphopeptide derived from human Wee1 around the phosphorylation site of Ser53: ED(p-S)AF.
Purification:	affinity purified by Protein A
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:	This gene encodes a nuclear protein, which is a tyrosine kinase belonging to the Ser/Thr family of protein kinases. This protein catalyzes the inhibitory tyrosine phosphorylation of CDC2/cyclin B kinase, and appears to coordinate the transition between DNA replication and mitosis by protecting the nucleus from cytoplasmically activated CDC2 kinase.

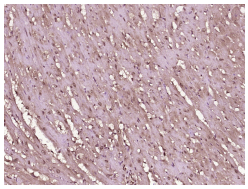
VALIDATION IMAGES



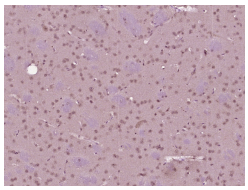
Sample: Cerebrum (Rat) Lysate at 40 ug Heart (Rat) Lysate at 40 ug Primary: Anti-Phospho-Wee1(Ser53) (bs-5589R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72 kD Observed band size: 72 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); 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-Wee1(Ser53)) Polyclonal Antibody, Unconjugated (bs-5589R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat heart); 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-Wee1(Ser53)) Polyclonal Antibody, Unconjugated (bs-5589R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse 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-Wee1(Ser53)) Polyclonal Antibody, Unconjugated (bs-5589R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=15.584] Feng Li. et al. CHK1 Inhibitor Blocks Phosphorylation of FAM122A and Promotes Replication Stress. Mol Cell. 2020 Nov;80:410 WB ; Human . 33108758

[IF=6.162] Serpico AF et al. Wee1 Rather Than Plk1 Is Inhibited by AZD1775 at Therapeutically Relevant Concentrations. Cancers (Basel). 2019 Jun 13;11(6). pii: E819. WB ; Human . 31200459