
Phospho-Caspase-9 (Thr125) Rabbit pAb

Catalog Number: bs-3082R

Target Protein: Phospho-Caspase-9 (Thr125)

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), Flow-Cyt (0.2µg /test)

Reactivity: Human, Mouse, Rat

Predicted MW: 35 kDa

Entrez Gene: 842

Swiss Prot: P55211

Source: KLH conjugated Synthesised phosphopeptide derived from human Caspase-9 around the phosphorylation site of Thr125: PE(p-T)PR.

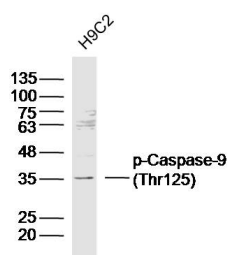
Purification: affinity purified by Protein A

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

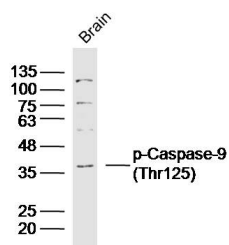
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Caspase 9 (also known as ICE like apoptotic protease 6 (ICE LAP6), apoptotic protease Mch6, and apoptotic protease activating factor 3 (Apaf3)) is a member of the peptidase family C14 that contains a CARD domain. This caspase is active as a heterotetramer and has been reported to have two isoforms. ProCaspase 9 has been reported to be approximately 47 kD. This caspase is present in the cytosol and, upon activation, translocates to the mitochondria. Caspase 9 is involved in the caspase activation cascade responsible for apoptosis execution and cleaves/activates Caspase 3 and Caspase 6. Caspase 9 is inhibited by the dominant negative isoform, BclXL, cIAP1, cIAP2, XIAP, and Livin. This caspase becomes activated when recruited to Apaf1/cytochrome c complex, and following cleavage by Apaf1, granzyme B, Caspase 3, possibly Caspase 8 and Caspase 10 into large p37 and small p10 subunits. Caspase 9 interacts with BIRC7 and has been shown to cleave PARP and vimentin.

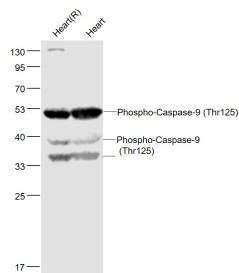
VALIDATION IMAGES



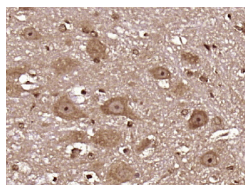
Sample: H9C2 (Rat) cell Lysate at 40 ug Primary: Anti-p-Caspase-9 (Thr125)(bs-3082R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35kD Observed band size: 35kD



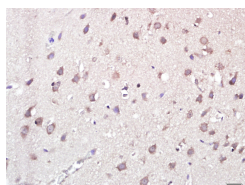
Sample: Brain(Rat) Lysate at 40 ug Primary: Anti-p-Caspase-9 (Thr125)(bs-3082R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35kD Observed band size: 35kD



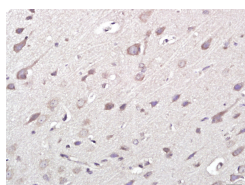
Sample: Heart (Rat) Lysate at 40 ug Heart (Mouse) Lysate at 40 ug Primary: Anti-Phospho-Caspase-9 (Thr125) (bs-3082R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46-51/35/37 kD Observed band size: 51/37/35 kD



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-Caspase-9 (Thr125)) Polyclonal Antibody, Unconjugated (bs-3082R) 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 (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 (P-caspase-9(Thr125)) Polyclonal Antibody, Unconjugated (bs-3082R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



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 (P-caspase-9(Thr125)) Polyclonal Antibody, Unconjugated (bs-3082R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.375] Qiu Lei. et al. MiR-526b-3p Inhibits the Resistance of Glioma Cells to Adriamycin by Targeting MAPRE1. J Oncol.

2022;2022:2402212 WB ; Human . 10.1155/2022/2402212

[IF=3.8] Enhua Wei. et al. Paeonol ameliorates hippocampal neuronal damage by inhibiting GRM5/GABBR2/β-arrestin2 and activating the cAMP-PKA signaling pathway in premenstrual irritability rats. BRAIN RES BULL. 2023 Dec;205:110830 WB ; Rat . 38036272

[IF=2.133] Cetintas, Vildan Bozok, et al. "Effects of flavopiridol on critical regulation pathways of CD133high/CD44high lung cancer stem

cells." Medicine 95.43 (2016): e5150. ICC ; ="Mouse" . 27787370