

bs-3083R**[Primary Antibody]****phospho-Caspase-9 (Tyr153) Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

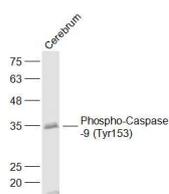
— DATASHEET —

Host: Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 842**SWISS:** P55211**Target:** Caspase-9 (Tyr153)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human Caspase 9 around the phosphorylation site of Tyr153: LA(p-Y)IL.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

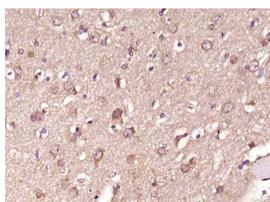
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg /test)**Reactivity:** Human, Mouse**Predicted MW.:** 35 kDa**Subcellular Location:** Cytoplasm

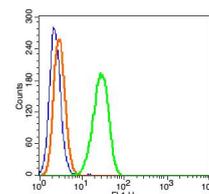
— VALIDATION IMAGES —



Sample: Cerebrum (Mouse) Lysate at 40 ug
 Primary: Anti-Phospho-Caspase-9 (Tyr153) (bs-3083R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 35 kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); 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 (Tyr153)) Polyclonal Antibody, Unconjugated (bs-3083R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue): HeLa(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice)). Primary Antibody: Rabbit Anti-Phospho-Caspase-9 (Tyr153)/FITC Conjugated antibody (bs-3083R /FITC), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA. Isotype Control Antibody: Rabbit IgG/FITC(orange),used under the same conditions.