

bs-3083R**[Primary Antibody]****phospho-Caspase-9 (Tyr153) Rabbit pAb****Bioss**
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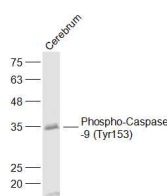
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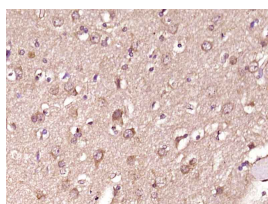
400-901-9800

— 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.

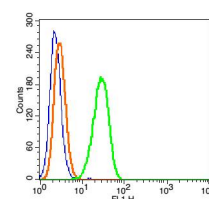
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.