**Caspase 9 (E119) polyclonal antibody**

| Catalog: BS1388 | Host: Rabbit | Reactivity: Human, Mouse, Rat |

**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.

**Product:**
1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

**Molecular Weight:**
≈ 35.48 kDa

**Swiss-Prot:**
P55211

**Purification&Purity:**
The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**
- WB: 1:500–1:1000
- IHC: 1:50–1:200
- IF: 1:50–1:200

**Storage&Stability:**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

**Specificity:**
Caspase 9 (E119) pAb detects endogenous levels of Caspase 9 protein.

**DATA:**

Western blot (WB) analysis of Caspase 9 (E119) pAb at 1:1000 dilution
Lane1: Hela whole cell lysate (40μg)
Lane2: Hela treated with H2O2 (100nmol/ml, 25min, Na3O4V) whole cell lysate (40μg)
Lane3: Hela treated with H2O2 (100nmol/ml, 25min, λ-ppase) whole cell lysate (40μg)

Immunohistochemistry (IHC) analyzes of Caspase 9 (E119) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

**Note:**
For research use only, not for use in diagnostic procedure.