

## bs-6792R

### • Rabbit Anti-APIP/Apaf1 Interacting Protein Polyclonal Antibody

Primary Antibodies

#### Background:

The mammalian homologues of the key cell death gene CED 4 in *C. elegans* has been identified recently from human and mouse and designated Apaf1 (for apoptosis protease activating factor 1). Apaf1 binds to cytochrome c (Apaf2) and caspase 9 (Apaf3), which leads to caspase 9 activation. Activated caspase 9 in turn cleaves and activates caspase 3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis. A new Apaf1 Interacting Protein (APIP) also known as CG129 and MMRP19, has been identified as a negative regulator of ischemic injury. APIP competes with Caspase 9 binding site of Apaf1. APIP is predicted to code for a 204 amino acid. An isoform of APIP, APIP2 encodes a 242 amino acid protein, which is an alternative splicing variant differing in its N terminus from APIP. APIP transcript is ubiquitously expressed in most adult tissue with high expression in skeletal muscle, heart, and kidney.

#### Source/Purification:

KLH conjugated synthetic peptide derived from human APIP (178-225aa). Was purified by Protein A and peptide affinity chromatography.

**Storage:** Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

#### Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

#### Reactivities:

Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,

#### Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 27kDa

**Preservatives:** 10ug/uL BSA and 0.1% NaN3.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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