

## PUMA polyclonal antibody

Catalog: BS91137

Host: Rabbit

Reactivity: Human, mouse

### BackGround:

The expression of PUMA is regulated by the tumor suppressor p53. PUMA is involved in p53-dependent and -independent apoptosis induced by a variety of signals, and is regulated by transcription factors, not by post-translational modifications. After activation, PUMA interacts with antiapoptotic Bcl-2 family members, thus freeing Bax and/or Bak which are then able to signal apoptosis to the mitochondria. Following mitochondrial dysfunction, the caspase cascade is activated ultimately leading to cell death. Several studies have shown that PUMA function is affected or absent in cancer cells. Additionally, many human tumors contain p53 mutations, which results in no induction of PUMA, even after DNA damage induced through irradiation or chemotherapy drugs. Other cancers, which exhibit overexpression of antiapoptotic Bcl-2 family proteins, counteract and over-power PUMA-induced apoptosis.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

20 kDa

### Swiss-Prot:

Q9BXH1

### Purification&Purity:

Peptide affinity purified

### Applications:

WB:1:500-1:1,000

ICC:1:200

IHC:1:200

FC:1:100

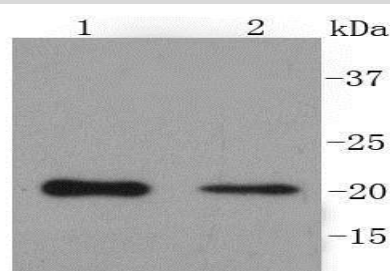
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

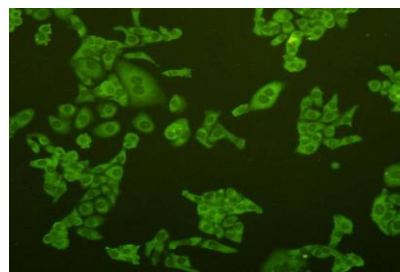
### Specificity:

PUMA polyclonal antibody detects endogenous levels of PUMA protein.

### DATA:



Western blot analysis of PUMA on different cell lysates using anti-PUMA antibody at 1/1000 dilution. Positive control: Lane 1: HeLa Lane 2: Mouse kidney



ICC staining PUMA in SKOV-3 cells (green). Cells were fixed in para-formaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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