PUMA (R169) polyclonal antibody

Catalog: BS2922 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

PUMA (Bcl-2 binding component 3, JFY1, PUMA/JFY1) is a mitochondrial pro-apoptotic Bcl-2 homology domain (BH3)-only protein that induces rapid apoptosis through a Bax- and mitochondria-dependent pathway. The PUMA gene encodes four proteins originating from different splice variants of the same transcript: PUMAα, β, γ and δ. Both PUMAα and PUMAβ contain a BH3 domain, while PUMAγ and PUMAδ lack this domain. The BH3 domain is essential for binding of PUMAα and PUMAβ to Bcl-2 or Bcl-xL. PUMA is an initiator of γ-radiation apoptosis and glucocorticoid-induced apoptosis in lymphoid cells in vivo. Bcl-2 family members generally regulate apoptosis and transmit death signals to mitochondria. Members of this family include both pro- and anti-apoptotic proteins that share homologous sequences known as Bcl-2 homology domains (BH1-4). The BH3 proteins, BID, NOXA, PUMA, NBK, Bim and Bad, are all pro-apoptotic and share sequence homology within the amphipathic α-helical BH3 region.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 15, 20, 28 kDa

Swiss-Prot:

Q9BXH1

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

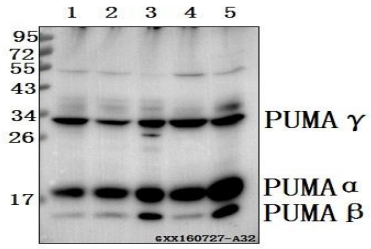
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PUMA (R169) polyclonal antibody detects endogenous levels of PUMA protein.

DATA:



Western blot (WB) analysis of PUMA (R169) polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:MCF-7 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:BV2 whole cell lysate(40ug)

Note:

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

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