Product datasheet

Anti-PUMA/BBC3 Antibody (Clone#DDO-2)

Catalog Number: *BM4299*

BOSTER
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Basic Information

Product Name	Anti-PUMA/BBC3 Antibody (Clone#DDO-2)
Gene Name	BBC3
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human PUMA
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	21 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 Flow Cytometry (FCM): 1:50

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

The p53 upregulated modulator of apoptosis, or PUMA, is a pro-apoptotic member of the Bcl-2 protein family. The PUMA gene is located at 19q. PUMA transcript is contained within 4 exons, with the presumptive initiation codon in exon 2. The predicted 193-amino acid PUMA protein shares 91% amino acid identity with the murine sequence. Bcl-2 family members can form hetero- or homodimers, and they act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The expression of PUMA is regulated by the tumor suppressor p53, and PUMA has been shown to be involved in p53-mediated apoptosis. Additionally, PUMA encodes 2 BH3 domain-containing proteins, PUMA-alpha and PUMA-beta, that are produced through the use of an alternative first exon and are induced in cells following p53 activation. Furthermore, PUMA couples the nuclear and cytoplasmic proapoptotic functions of p53.

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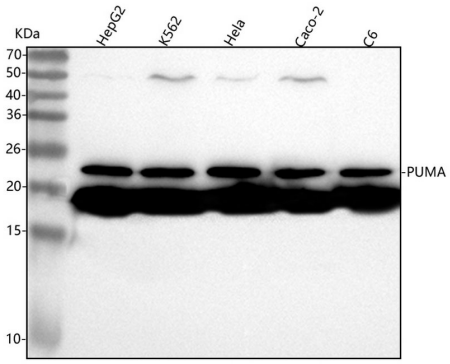
Reference

Anti-PUMA/BBC3 Antibody (Clone#DDO-2)被引用在3文献中。

Selected Validation Data



Western blot analysis of anti-PUMA/BBC3 antibody (BM4299). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human K562 whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human Caco-2 whole cell lysates,
Lane 5: rat C6 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PUMA/BBC3 antigen affinity purified monoclonal antibody (BM4299) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PUMA/BBC3 at approximately 21 kDa. The expected band size for PUMA/BBC3 is at 21 kDa.