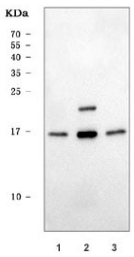
PUMA Antibody (alpha/beta) / BBC3 (RQ7360)

Catalog No.	Formulation	Size
RQ7360	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BXH1
Applications	Western Blot : 0.5-1ug/ml
Limitations	This PUMA antibody is available for research use only.



Wester blot testing of human 1) HepG2, 2) K562 and 3) HeLa cell lysate with PUMA antibody. Predicted molecular weight: 20-21 kDa (PUMA alpha) and 14-15 kDa (PUMA beta).

Description

Bcl-2-binding component 3, isoforms 1/2 (BBC3), also called p53 upregulated modulator of apoptosis (PUMA), is a pro-apoptotic member of the Bcl-2 protein family. The gene is located at 19q. The 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 the protein has been shown to be involved in p53-mediated apoptosis. Additionally, PUMA encodes two 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.

Application Notes

Optimal dilution of the PUMA antibody should be determined by the researcher.

Immunogen

Amino acids EQWAREIGAQLRRMADDLNAQYE were used as the immunogen for the PUMA antibody.

Storage

After reconstitution, the PUMA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.