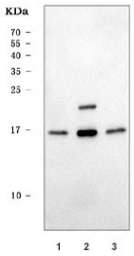
# PUMA Antibody (alpha/beta) / BBC3 (RQ7360)

| 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 |
| **Host** | Rabbit |
| **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.


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