

Product datasheet for **TA306109**

Bcl2 Binding component 3 (BBC3) Rabbit Polyclonal Antibody

Product data:

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB: 2 ug/mL, IHC: 10 ug/mL, IF: 10 ug/mL |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | PUMA antibody was raised against a synthetic peptide corresponding to 14 amino acids near the amino terminus of human PUMA-a This sequence is identical between a and b ?forms of the PUMA proteins. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | Affinity chromatography purified via peptide column |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | BCL2 binding component 3 |
| Database Link: | NP_055232 Entrez Gene 27113 Human Q96PG8 |



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Background:

Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse (1-3). PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins termed PUMA-alpha and PUMA-beta (1). PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome c release and apoptosis in response to p53. PUMA may be a direct mediator of p53-induced apoptosis.

Synonyms:

JFY-1; JFY1; PUMA

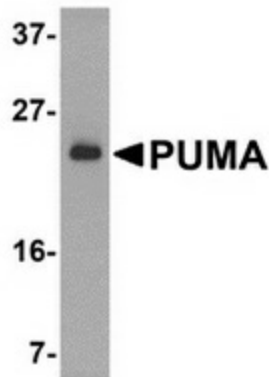
Protein Families:

Druggable Genome

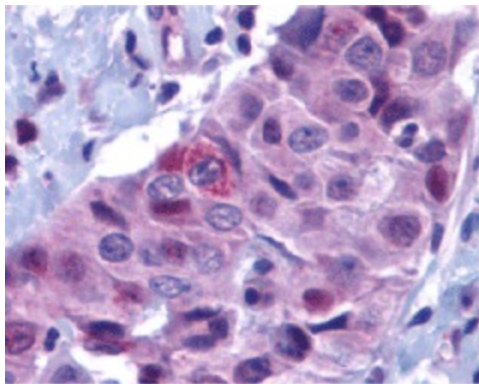
Protein Pathways:

Huntington's disease, p53 signaling pathway

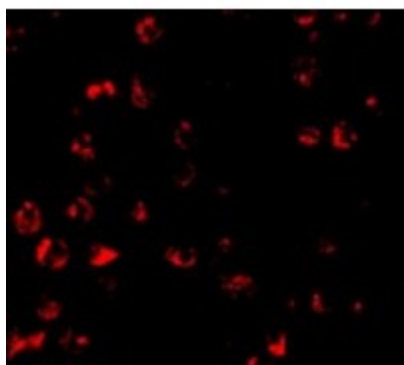
Product images:



Western blot analysis of PUMA expression in K562 cell lysate with PUMA antibody at 2 ug/ml.



Immunohistochemistry of PUMA in human breast carcinoma with PUMA antibody at 10 ug/ml.



Immunofluorescence of PUMA in K562 cells with PUMA antibody at 10 ug/mL.