

Product datasheet for **TA326460**

Bcl2 Binding component 3 (BBC3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500, ICC: 1:100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	N-terminal amino acids of human PUMA
Formulation:	PBS with 0.02% sodium azide
Concentration:	lot specific
Purification:	Affinity Purified
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_001120712 Entrez Gene 27113 Human Q96PG8

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 up-regulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse . 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- and PUMA- . 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



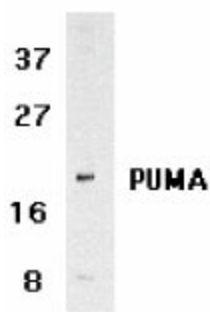
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Note: Detects a ~23kDa protein corresponding to the molecular mass of PUMA on SDS PAGE immunoblots. 16kDa bands may be seen in some instances, possibly corresponding to PUMA β .

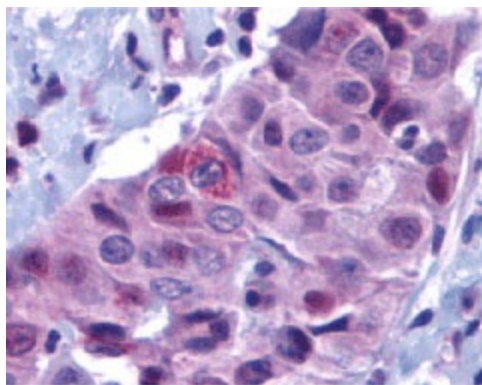
Protein Families: Druggable Genome

Protein Pathways: Huntington's disease, p53 signaling pathway

Product images:



Western blot analysis of PUMA expression in K562 cell lysates using 1:500 dilution of the antibody



IHC analysis of PUMA in human breast carcinoma using a 1:100 dilution of the antibody