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Product datasheet for AP07278PU-N

Bcl2 Binding component 3 (BBC3) (C-term) Rabbit Polyclonal Antibody

Product data:

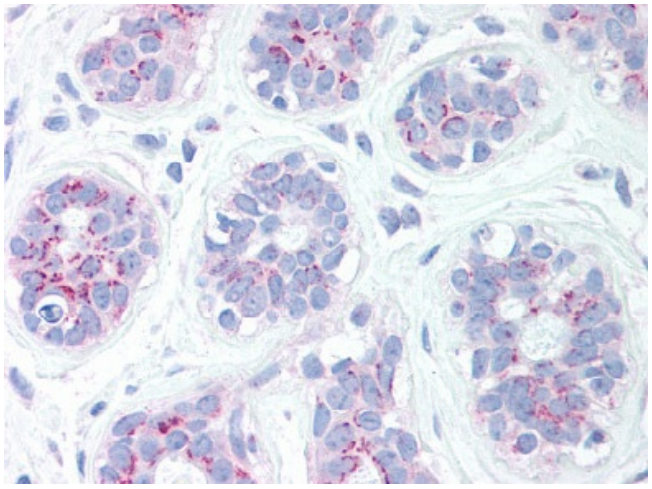
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Immunocytochemistry**. **Immunohistochemistry on Paraffin Sections:** 10 µg/ml. **Western Blot:** 1 - 2 µg/ml.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the C-terminal region of Human PUMA
Specificity:	This antibody recognizes a synthetic peptide corresponding to 14 amino acids near the carboxy terminus of PUMA-alpha. This sequence is identical between alpha and beta forms of the PUMA proteins.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BCL2 binding component 3
Database Link:	Entrez Gene 27113 Human Q96PG8

View online »

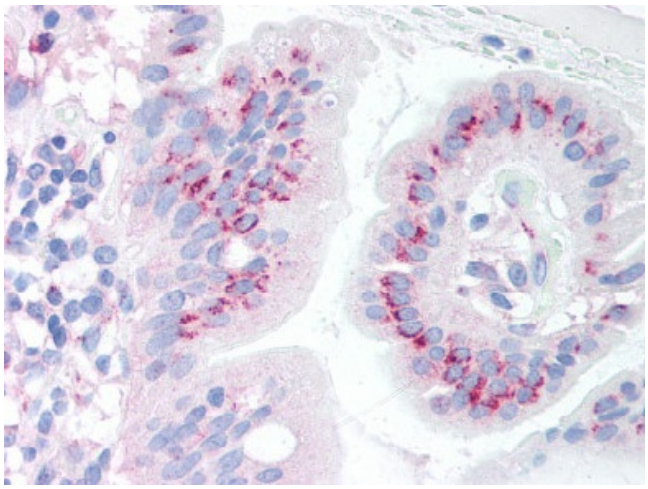
Background: Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse. 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-a and PUMA-b. 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: BBC3, JFY-1

Product images:



Formalin-Fixed Paraffin-Embedded Human Breast stained with PUMA Antibody at 10 ug/ml after heat-induced antigen retrieval.



Formalin-Fixed Paraffin-Embedded Small intestine stained with PUMA Antibody at 10 ug/ml after heat-induced antigen retrieval.