

Polyclonal Antibody to PUMA alpha isoform (N-term) - Purified

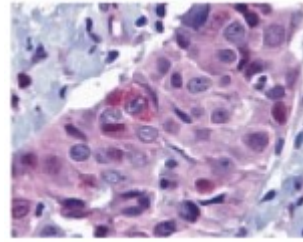
Alternate names:	BBC3, Bcl-2-binding component 3, JFY-1, p53 up-regulated modulator of apoptosis
Catalog No.:	SP7152P
Quantity:	0.1 mg
Concentration:	1 mg/ml
Background:	A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) in human and mouse. 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.
Uniprot ID:	Q9BXH1
NCBI:	NP_001120712.1
GeneID:	27113
Host:	Rabbit
Immunogen:	Synthetic peptides of Human PUMA alpha (N-term)
Format:	State: Liquid purified Ig fraction Purification: Protein G Chromatography Buffer System: PBS Preservatives: 0.02% Sodium Azide
Applications:	Western blot: 0.5-1.0 µg/ml. Immunohistochemistry on Paraffin Sections: 10 µg/ml. <i>Recommended Positive Control:</i> 3T3 cells, K562 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for PUMA alpha (N-term). Species: Human, Mouse. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Nakano K., et al. Mol Cell. 7(3):683-94 (2001). 2. Yu J., et al. Mol Cell. Vol 7,673-682 (2001). 3. Han J., et al. Proc Natl Acad Sci U S A. 98(20):11318-23 (2001). 4. Toth A, JR Jeffers, P Nickson, J-Y Min, JP Morgan, GP Zambetti, P Erhardt. Am J Physiol Heart Circ Physiol. 291:H52-H60 (2006).

5. Karst M A, D L Dai, M Martinka, G Li. Oncogene 24:1111-1116 (2005).

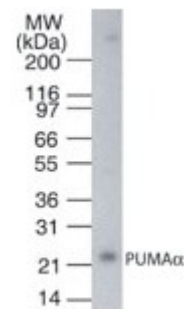
6. Fandy E T, D D Ross, S D Gore, R K Srivastava. Cancer Chemotherapy & Pharmacology 60:313-319 (2006).

Pictures:

Immunohistochemistry of PUMA in human breast carcinoma with anti-PUMA (N-term) at 10 µg/ml.



Western blot analysis for Puma alpha (N-term) using SP7152P at 2 µg/ml against 15 µg/lane of 3T3 cell lysate.



Western blot analysis for Puma alpha (N-term) using SP7152P at 2 µg/ml against 15 µg/lane of K562 cell lysate

