

RABBIT ANTI-PUMA POLYCLONAL ANTIBODY

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP52311

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q96PG8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26498
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BBC3
Epitope Specificity	131-180/193
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion. Note=Localized to the mitochondria in order to induce cytochrome c release.
SIMILARITY	Belongs to the Bcl-2 family.
SUBUNIT	Interacts with BCL2, BCL2L1/BCL-XL, MCL1 and BCL2A1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the BCL-2 family of proteins. This family member belongs to the BH3-only pro-apoptotic subclass. The protein cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members to induce mitochondrial dysfunction and caspase activation. Because of its pro-apoptotic role, this gene is a potential drug target for cancer therapy and for tissue injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]

Additional Information

Gene ID	27113
Other Names	JFY1; PUMA; JFY-1; Bcl-2-binding component 3; p53 up-regulated modulator of apoptosis; BBC3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BBC3
Synonyms	PUMA
Function	[Isoform 3]: Does not affect cell growth.
Cellular Location	Note=Contrary to isoforms 1 and 2, isoform 3 does not localize to the mitochondria

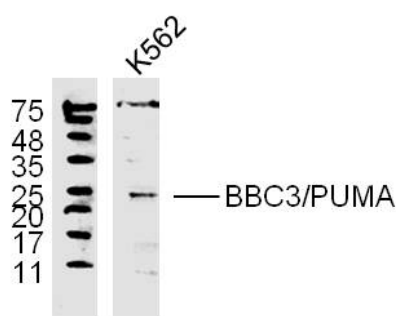
Background

Essential mediator of p53/TP53-dependent and p53/TP53- independent apoptosis. Isoform 3 fails to show any growth- inhibitory or apoptotic activity.

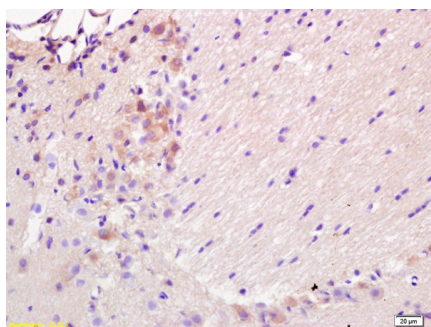
References

Nakano K.,et al.Mol. Cell 7:683-694(2001).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



K562 lysates probed with PUMA Polyclonal Antibody, unconjugated (AP52311) at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.



Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti BBC3/PUMA Polyclonal Antibody, Unconjugated (AP52311) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.