Datasheet for ABIN731528

anti-PUMA antibody (AA 131-180)

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Overview

Quantity:	100 µL
Target:	PUMA (BBC3)
Binding Specificity:	AA 131-180
Reactivity:	Human, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUMA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PUMA
Isotype:	IgG
Cross-Reactivity:	Human, Pig, Rat
Predicted Reactivity:	Mouse,Dog,Cow
Purification:	Purified by Protein A.

Target Details

Target:	PUMA (BBC3)

Target Details

Alternative Name:	PUMA (BBC3 Products)
Background:	Synonyms: JFY1, PUMA, JFY-1, Bcl-2-binding component 3, p53 up-regulated modulator of apoptosis, BBC3 Background: Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Isoform 3 fails to show any growth-inhibitory or apoptotic activity.
Gene ID:	27113
UniProt:	Q96PG8
Pathways:	p53 Signaling, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	IP(1-2 μg)

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

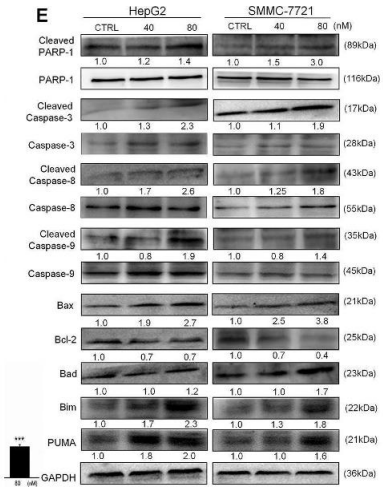
Product cited in:

Su, Shi, Yan, Xi, Su: "Anticancer bioactive peptides suppress human colorectal tumor cell growth and induce apoptosis via modulating the PARP-p53-Mcl-1 signaling pathway." in: **Acta pharmacologica Sinica**, Vol. 36, Issue 12, pp. 1514-9, (2016) (PubMed).

Qiu, Cai, Gao, Gu, Liu: "A small peptide derived from p53 linker region can resume the apoptotic activity of p53 by sequestering iASPP with p53." in: **Cancer letters**, Vol. 356, Issue 2 Pt B, pp. 910-7, (2014) (PubMed).

Zhang, Liu, Xia, Zhang, Zhang, Zhao, Chao, Jiang, Jiang: "Epithelial-mesenchymal transition is necessary for acquired resistance to cisplatin and increases the metastatic potential of nasopharyngeal carcinoma cells." in: **International journal of molecular medicine**, Vol. 33, Issue 1, pp. 151-9, (2013) (PubMed).

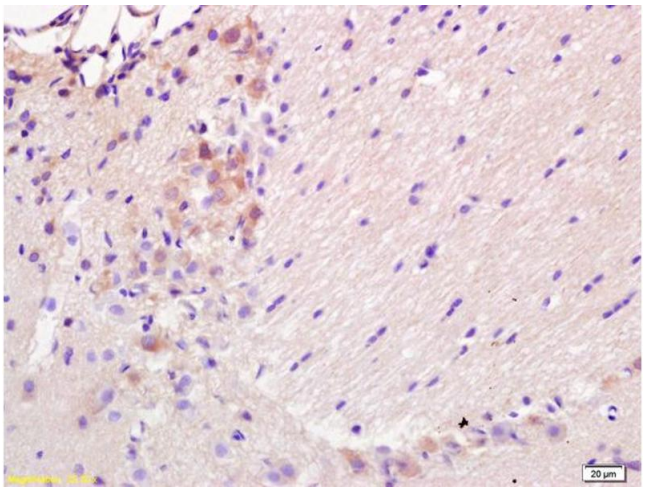
Images



Western Blotting

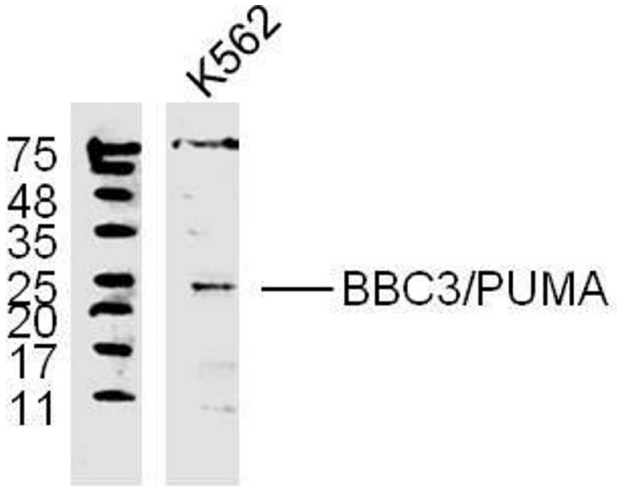
Image 1. Erianin induced mitochondrial apoptosis in liver cancer cells. Erianin (A) increased intracellular reactive oxygen species (ROS) production and (C) decreased the mitochondrial membrane potential (20x magnification, scale bar: 50 μm). Qualitative data are expressed as (B) the green fluorescence intensity and (D) the ratio of red to green fluorescence intensity. Data are expressed as percentages relative to the corresponding control cells and mean ± SD (n = 6). *P < 0.05, **P < 0.01 and ***P < 0.001 vs control cells. (E) Erianin significantly enhanced the ratio of cleaved PARP/PARP, cleaved caspase-3/caspase-3, cleaved caspase-8/caspase-8 and cleaved caspase-9/ caspase-9, and the expression levels of Bax, Bad, Bim and PUMA, and reduced the expression levels of Bcl-2 in HepG2 and SMMC-7721 cells. Quantitative protein expression data were normalized to GAPDH expression levels in the corresponding samples. The marked average changes of proteins were expressed as folds relative to the

corresponding control cells (n = 6). - figure provided by CiteAb. Source: PMID31754081



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti BBC3/PUMA Polyclonal Antibody, Unconjugated (ABIN731528) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 3. K562 lysates probed with PUMA Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.

Please check the product details page for more images. Overall 4 images are available for ABIN731528.