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PUMA Rabbit mAb

Catalog # AP75977

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q9BXH1
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	20532

Additional Information

Gene ID	27113
Other Names	BBC3
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:20-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

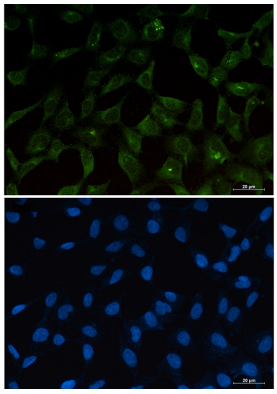
Protein Information

Name	BBC3
Synonyms	PUMA
Function	Essential mediator of p53/TP53-dependent and p53/TP53- independent apoptosis (PubMed:11463391, PubMed:23340338). Promotes partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53, releasing the bound p53/TP53 to induce apoptosis (PubMed:23340338). Regulates ER stress-induced neuronal apoptosis (By similarity).
Cellular Location	Mitochondrion Note=Localized to the mitochondria in order to induce cytochrome c release
Tissue Location	Ubiquitously expressed.

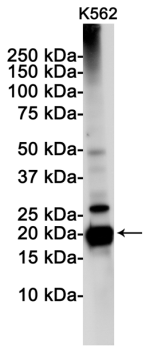
Background

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.

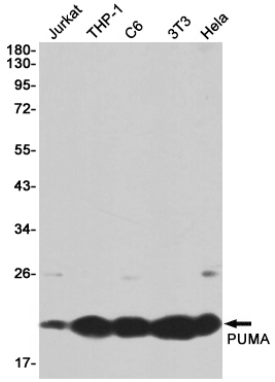
Images



Immunocytochemistry analysis of PUMA (green) in 293T using PUMA antibody,and DAPI(blue).

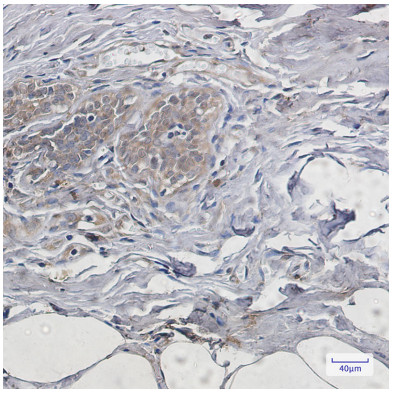


Western blot analysis of PUMA in K562 lysates using PUMA antibody.



Western blot analysis of PUMA in Jurkat, THP-1, C6, 3T3, Hela lysates using PUMA antibody

Immunohistochemistry analysis of paraffin-embedded Human breast cancer using PUMA antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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