

ARG54439 anti-PUMA antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PUMA
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes human and mouse PUMA (23kDa). A lower molecular weight band at 16kDa is detected in MOLT4 and U937 cell lysates and probably represents the PUMA- protein.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PUMA
Species	Human
Immunogen	Synthetic peptide corresponding to aa 180-193 of human PUMA-alpha (accession no NP_055232). This sequence is identical in human PUMA-alpha and PUMA-beta .
Conjugation	Un-conjugated
Alternate Names	PUMA; p53 up-regulated modulator of apoptosis; JFY-1; JFY1; Bcl-2-binding component 3

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562 and NIH/3T3	

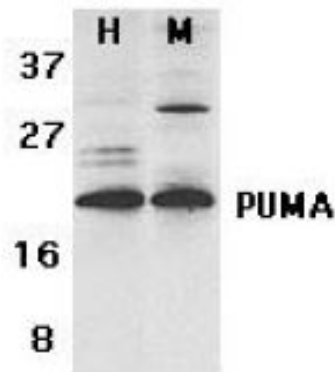
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

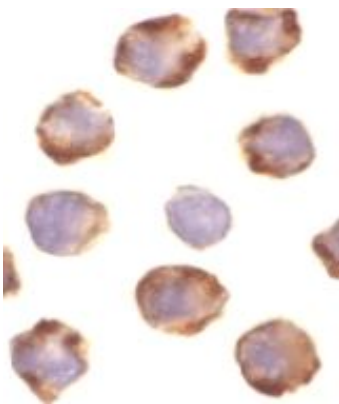
Database links	GeneID: 170770 Mouse GeneID: 27113 Human Swiss-port # Q96PG8 Human Swiss-port # Q99ML1 Mouse
Gene Symbol	BBC3
Gene Full Name	BCL2 binding component 3
Background	PUMA (p53 Upregulated Modulator of Apoptosis) is a pro-apoptotic Bcl-2 family member that encodes two BH3 domain-containing proteins, PUMA- and PUMA- . PUMA proteins bind Bcl-2, localize to mitochondria, and induce cytochrome c release and apoptosis in response to p53.
Function	Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Isoform 3 fails to show any growth-inhibitory or apoptotic activity. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	26 kDa

Images



ARG54439 anti-PUMA antibody WB image

Western Blot: H:K562; M:NIH/3T3 stained with ARG54439 anti-PUMA antibody at 2 µg/ml dilution.



ARG54439 anti-PUMA antibody ICC/IF image

Immunofluorescence: K562 stained with ARG54439 anti-PUMA antibody at 1 µg/ml dilution.