

Rabbit Puma BH3 Domain Polyclonal Antibody | anti-BBC3 antibody

Puma BH3 Domain Antibody

CATALOG # AAA286958	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Puma BH3 Domain; Polyclonal Antibody; Puma BH3 Domain Antibody; Bcl-2-binding component 3; JFY-1; p53 up-regulated modulator of apoptosis; BBC3; PUMA; anti-BBC3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Puma BH3 Domain antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-154 amino acids from human Puma BH3 Domain.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	119-154
Sequence Length	261
Applicable Applications for anti-BBC3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Puma BH3 Domain Antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



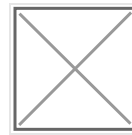
IF (Immunofluorescence)

Confocal immunofluorescent analysis of Puma BH3 Domain Antibody with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with Puma BH3 Domain antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-Puma BH3 domain Pab in HL-60 cell lysate. Puma BH3 domain (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-BBC3 antibody	PUMA is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. 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.
Product Categories/Family for anti-BBC3 antibody	Cancer; Cell Biology; Metabolism; Signal transduction
References	Liu, F.T., et al., Biochem. Biophys. Res. Commun. 310(3):956-962 (2003). Hoque, M.O., et al., Cancer Lett. 199(1):75-81 (2003). Yu, J., et al., Proc. Natl. Acad. Sci. U.S.A. 100(4):1931-1936 (2003). Han, J., et al., Proc. Natl. Acad. Sci. U.S.A. 98(20):11318-11323 (2001). Nakano, K., et al., Mol. Cell 7(3):683-694 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	187829730
NCBI GeneID	27113
NCBI Accession #	NP_001120712.1; NP_001120713.1; NP_001120714.1; NP_055232.1
NCBI GenBank Nucleotide #	NM_001127240.2
UniProt Accession #	Q9BXH1; O00171; Q96PG9; B9EGI3; Q96PG8
Molecular Weight	20532
NCBI Official Full Name	bcl-2-binding component 3 isoform 1
NCBI Official Synonym Full Names	BCL2 binding component 3
NCBI Official Symbol	BBC3
NCBI Official Synonym Symbols	JFY1; PUMA; JFY-1
NCBI Protein Information	bcl-2-binding component 3
UniProt Protein Name	Bcl-2-binding component 3
UniProt Gene Name	BBC3
UniProt Synonym Gene Names	PUMA
UniProt Entry Name	BBC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/puma-bh3-domain-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/286958>