bs-1573R **[Primary Antibody]**

BBC3/PUMA Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 27113 **SWISS:** Q9BXH1

Target: BBC3/PUMA

Immunogen: KLH conjugated synthetic peptide derived from human BBC3: 131-180/193.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Dec 2011]

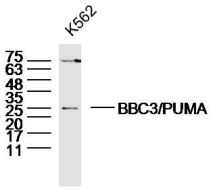
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Pig, Cow, Dog)

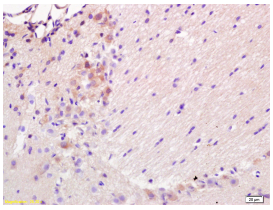
Predicted MW.: 21 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: K562 Cell Lysate at 30 ug Primary: Anti-BBC3 (bs-1573R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21 kD Observed band size: 25 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-BBC3/PUMA Polyclonal Antibody, Unconjugated(bs-1573R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=14.7]** Rong Fu. et al. Avenanthramide A potentiates Bim-mediated antineoplastic properties of 5-fluorouracil via targeting KDM4C/MIR17HG/GSK-3β negative feedback loop in colorectal cancer. ACTA PHARM SIN B. 2024 Jul;: WB ;Human. 10.1016/j.apsb.2024.07.018
- **[IF=8.593]** Chen Yingtong. et al. p53 directly downregulates the expression of CDC20 to exert anti-tumor activity in mantle cell lymphoma. EXP HEMATOL ONCOL. 2023 Dec;12(1):1-23 WB ;Human. 36882855
- **[IF=5.62]** Qiu, Shi, et al. "A small peptide derived from p53 linker region can resume the apoptotic activity of p53 by

sequestering iASPP with p53." Cancer Letters 356.2 (2015): 910-917. IP ;Human. 25444901

- **[IF=3.905]** Ding Wang. et al. GRIM-19 inhibits proliferation and induces apoptosis in a p53-dependent manner in colorectal cancer cells through the SIRT7/PCAF/MDM2 axis. Exp Cell Res. 2021 Oct;407:112799 WB ;Human. 34461110
- **[IF=3.22]** Su et al. Anticancer bioactive peptides suppress human colorectal tumor cell growth and induce apoptosis via modulating the PARP-p53-Mcl-1 signaling pathway. (2015) Acta.Pharmacol.Si. 36:1514-9 IHC ;Human. 26592508