PRODUCT DATA SHEET

Bax Polyclonal Antibody

Catalog No.	IPB0055
Reactivity	Human; Mouse; Rat
Applications	WB; IHC-p; ELISA
Dilution	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA: 1:10000
Gene Name	BAX
Protein Name	Apoptosis regulator BAX
Human Gene Id	581
Swiss-Prot	Q07812
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	[Isoform Alpha]: Mitochondrion outer membrane; Single-pass membrane protein Cytoplasm Colocalizes with 14-3-3 proteins in the cytoplasm Under stress conditions, undergoes a conformation change that causes release from JNK-phosphorylated 14-3-3 proteins and translocation to the mitochondrion membrane Upon Sendai virus infection, recruited to the mitochondrion through interaction with IRF3 (PubMed:25609812) [Isoform Beta]: Cytoplasm [Isoform Gamma]: Cytoplasm [Isoform Delta]: Cytoplasm
MW	21184
Background	The protein encoded by BAX (BCL2 associated X, apoptosis regulator) belongs to the BCL2 protein family BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities This protein forms a heterodimer with BCL2, and functions as an apoptotic activator This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for BAX

Products Images:

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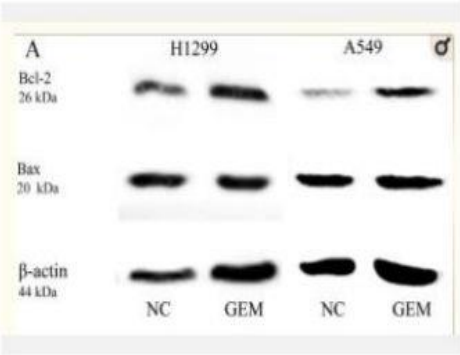
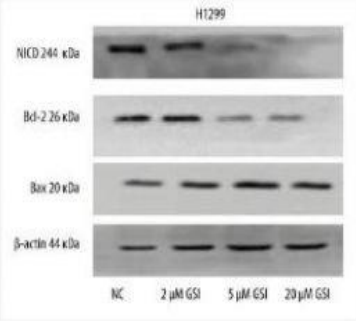
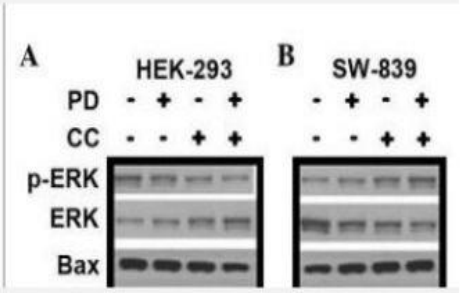


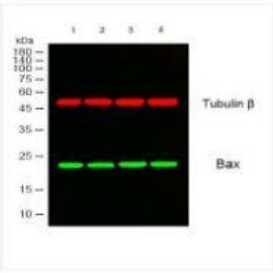
Hu, Bi-Dan, et al. "Specific inhibitor of Notch-3 enhances the sensitivity of NSCLC cells to gemcitabine." Oncology reports40.1 (2018): 155-164.



He, Fenglian, et al. "Synergistic effect of Notch-3-specific inhibition and paclitaxel in non-small cell lung cancer (NSCLC) cells via activation of the intrinsic apoptosis pathway." Medical science monitor: international medical journal of experimental and clinical research 23 (2017): 3760.



Chen, Xiao-Meng, et al. "Chelerythrine chloride induces apoptosis in renal cancer HEK-293 and SW-839 cell lines." Oncology letters 11.6 (2016): 3917-3924.



Western blot analysis of lysates from 1) Hela , 2) MCF7 , 3) k562 , 4) A549 cells, (Green) primary antibody was diluted at 1:1000, 4°over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37° 1hour. (Red) Tubulin β Monoclonal Antibody(5G3) (cat:YM3030) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody(cat:RS23710)was diluted at 1:10000, 37° 1hour.

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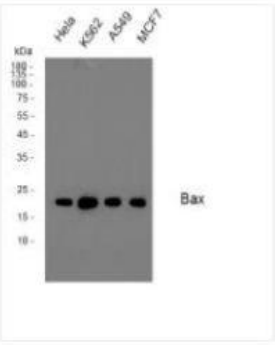
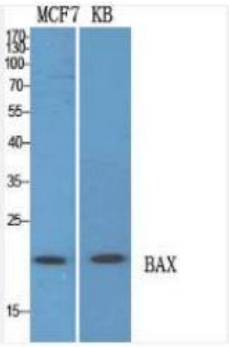
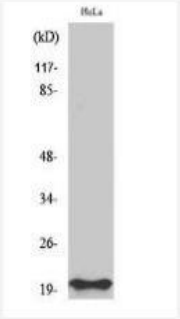


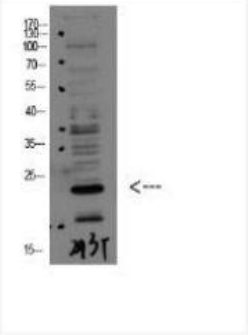
Western blot analysis of Bax Polyclonal Antibody, using Hela, MCF7,k562,A549 cell, 4° over night, secondary antibody(cat: RS0002 was diluted at 1:10000, 37° 1hour.



Western Blot analysis of various cells using Bax Polyclonal Antibody diluted at 1:2000



Western Blot analysis of HeLa cells using Bax Polyclonal Antibody diluted at 1:2000



Western Blot analysis of 293T using Bax Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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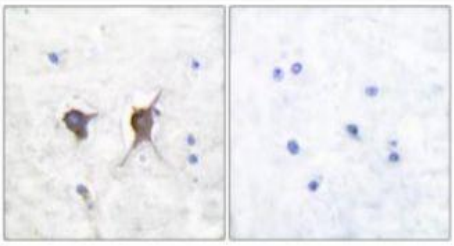
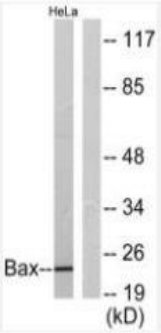
Western blot analysis of various cell Lysate, antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Bax Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using Bax Antibody. The lane on the right is blocked with the synthesized peptide.