

Product datasheet for **AP23289PU-N**

BAX (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: At 1-2µg/ml with the appropriate system to detect BAX in cells and tissues.
Reactivity:	Human, Mouse, Rabbit, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a sequence mapping near the N-terminal of human BAX
Specificity:	This antibody detects Bax near N-term. No cross reactivity with other proteins.
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BCL2 associated X protein
Database Link:	Entrez Gene 12028 Mouse Entrez Gene 24887 Rat Entrez Gene 581 Human Q07812



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Background:

BAX (Bcl-2 Associated X Protein) is a member of the Bcl-2 gene family, it encodes a 21-kDa protein whose association with Bcl-2 is believed to play a critical role in regulating apoptosis. Human BAX gene is located in the q13.3-q13.4 region of human chromosome 19. Bax is an apoptosis-inducing protein that participates in cell death during normal development and in various diseases. It resides in an inactive state in the cytosol of many cells. Bax consists of 9 alpha helices and has extensive amino acid homology with Bcl-2, focused within highly conserved domains I and II. Bax is encoded by six exons and demonstrates a complex pattern of alternative RNA splicing that predicts a 21 kd membrane (alpha) and two forms of cytosolic protein (beta and gamma). BAX and BAK are essential for regulating the number of B cells at both immature and mature developmental stages. They are critical mediators of B cell death induced by multiple stimuli.

Synonyms:

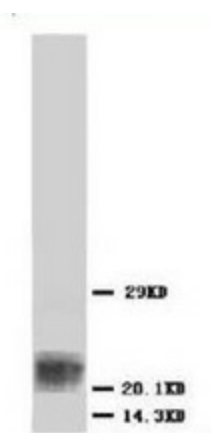
Apoptosis regulator BAX, BCL2L4, Bcl2-L-4

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Huntington's disease, Neurotrophin signaling pathway, p53 signaling pathway, Pathways in cancer, Prion diseases

Product images:

Western blot analysis of HeLa cell lysis using BAX antibody