



Anti-BAX (full length) polyclonal antibody (DPAB-DC2624)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | The protein encoded by this gene 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 this gene. |
| Immunogen | BAX (AAH14175, 1 a.a. ~ 192 a.a) full-length recombinant protein with GST tag. The sequence is MDGSGEQPRGGGPTSSEQIMKTGALLQGGFIQDRAGRMGGGEAPELALDPVPQDASTKKLS ECLKRIGDELDSNMELQRMIAAVDTDSPREVFFRVAADMFSNGNFWGRVVALFYFASKL VLKALCTKVPELIRTIMGWTLDFLRERLLGWIQDQGGWDGLLSYFGTPTWQTATIFVAGV LTASLTIWKKMG |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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| Gene Name | BAX BCL2-associated X protein [Homo sapiens (human)] |
| Official Symbol | BAX |
| Synonyms | BAX; BCL2-associated X protein; BCL2L4; apoptosis regulator BAX; bcl2-L-4; bcl-2-like protein 4; BCL2-associated X protein omega; |
| Entrez Gene ID | 581 |
| Protein Refseq | NP_001278357 |
| UniProt ID | Q07812 |
| Chromosome Location | 19q13.3-q13.4 |
| Pathway | Activation, translocation and oligomerization of BAX; Amyotrophic lateral sclerosis (ALS); Apoptosis Modulation and Signaling; Caspase cascade in apoptosis |
| Function | BH3 domain binding; channel activity; identical protein binding; lipid binding |