

Goat Anti-BAK1 Antibody

Peptide-affinity purified goat antibody Catalog # AF1140a

Specification

Goat Anti-BAK1 Antibody - Product Information

Application WB
Primary Accession 016611

Other Accession NP 001179, 578, 12018 (mouse), 116502 (rat)

Reactivity Human

Predicted Mouse, Rat, Pig

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 23409

Goat Anti-BAK1 Antibody - Additional Information

Gene ID 578

Other Names

Bcl-2 homologous antagonist/killer, Apoptosis regulator BAK, Bcl-2-like protein 7, Bcl2-L-7, BAK1, BAK, BCL2L7, CDN1

Format

0.5~mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-BAK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-BAK1 Antibody - Protein Information

Name BAK1

Synonyms BAK, BCL2L7, CDN1

Function

Plays a role in the mitochondrial apoptotic process. Upon arrival of cell death signals, promotes mitochondrial outer membrane (MOM) permeabilization by oligomerizing to form pores within the MOM. This releases apoptogenic factors into the cytosol, including cytochrome c, promoting the



activation of caspase 9 which in turn processes and activates the effector caspases.

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein

Tissue Location

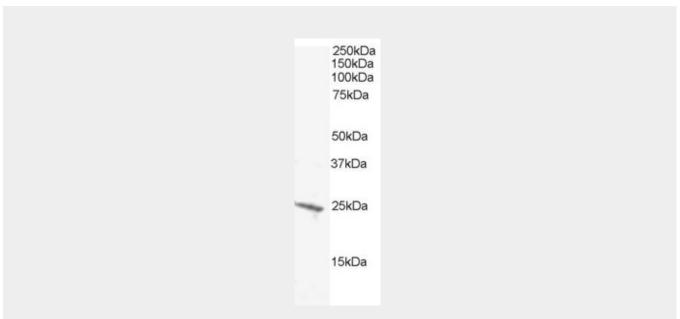
Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

Goat Anti-BAK1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Goat Anti-BAK1 Antibody - Images



AF1140a staining (0.5 μ g/ml) of A431 lysate (RIPA buffer, 30 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-BAK1 Antibody - Background

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress.

Goat Anti-BAK1 Antibody - References





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