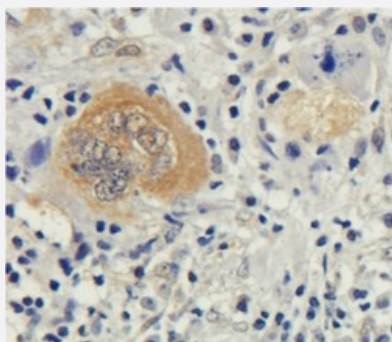


RecomAb™

BAX recombinant monoclonal antibody, clone 6A7

Catalog # RAB03673 Size 200 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Paraffin-embedded sections) of human lung cancer with BAX recombinant monoclonal antibody, clone 6A7 (Cat # RAB03073) at 3 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BAX.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against synthetic peptides corresponding to amino acids 3-16 of murine BAX (CGSGEQLGSGGPTSS), amino acids 3-16 of human BAX (CGSGEQPRGGGPTSS), and amino acids 12-24 shared by BAX from both species (CGPTSSEQIMKTGA).
Reactivity	Human, Mouse, Rat
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG kappa

Recommend Usage

Immunohistochemistry
Immunoprecipitation
Western Blot
The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS with 0.02% Proclin 300

Storage Instruction

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Paraffin-embedded sections) of human lung cancer with BAX recombinant monoclonal antibody, clone 6A7 (Cat # RAB03073) at 3 ug/mL.

- Immunoprecipitation

Gene Info — BAX

Entrez GeneID

[581](#)

Gene Name

BAX

Gene Alias

BCL2L4

Gene Description

BCL2-associated X protein

Omim ID

[600040](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

apoptosis regulator BAX

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Colorectal cancer](#)
- [Neurotrophin signaling pathway](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prion diseases](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia Telangiectasia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)

- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Occupational Diseases](#)
- [Osteomyelitis](#)
- [Parkinson disease](#)
- [Pemphigus](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)