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BAK1
Purified Mouse Monoclonal Antibody
Catalog # AO2603a

Specification

BAK1 - Product Information

Application	**E, WB, IHC**
Primary Accession	Q16611
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2b**
Calculated MW	**23.4kDa KDa**

Immunogen
Purified recombinant fragment of human BAK1 (AA: 29-187) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

BAK1 - Additional Information

Gene ID 578

Other Names
BAK; CDN1; BCL2L7; BAK-LIKE

Dilution
E~~ 1/10000
WB~~ 1/500 - 1/2000
IHC~~ 1/200 - 1/1000

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
BAK1 is for research use only and not for use in diagnostic or therapeutic procedures.

BAK1 - 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

BAK1 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BAK1 - Images

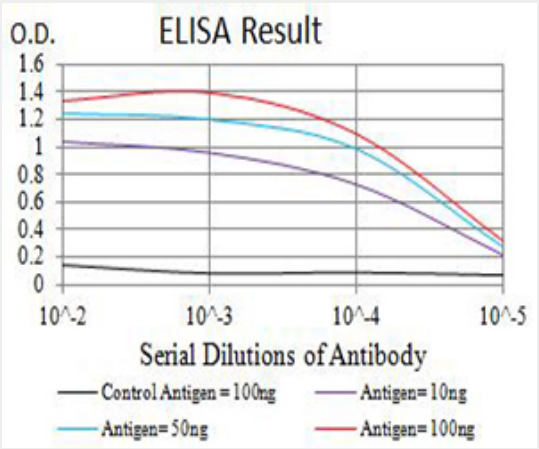

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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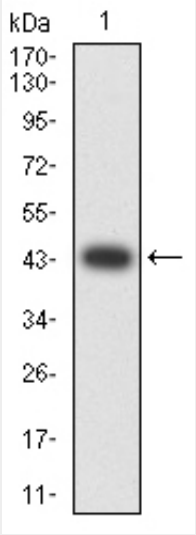

Figure 2:Western blot analysis using BAK1 mAb against human BAK1 (AA: 29-187) recombinant protein. (Expected MW is 43.9 kDa)

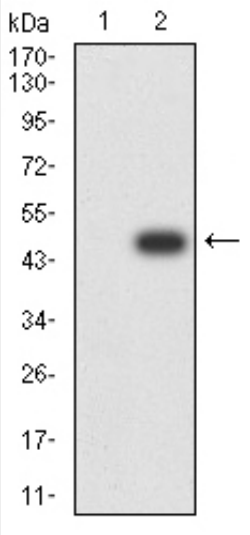

Figure 3:Western blot analysis using BAK1 mAb against HEK293 (1) and BAK1 (AA: 29-187)-hIgGFc transfected HEK293 (2) cell lysate.

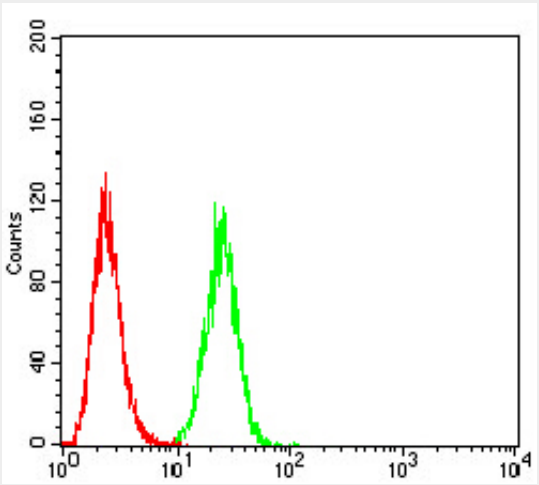

Figure 4:Flow cytometric analysis of Hela cells using BAK1 mouse mAb (green) and negative

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control (red).

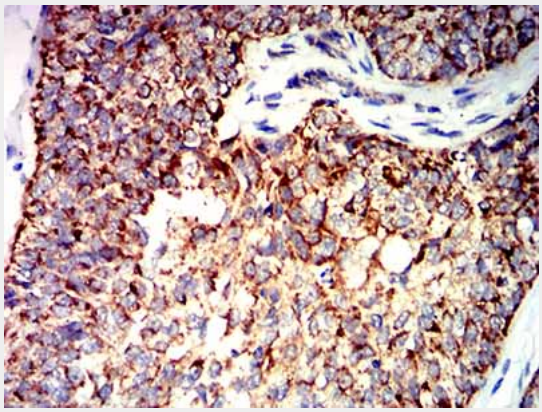
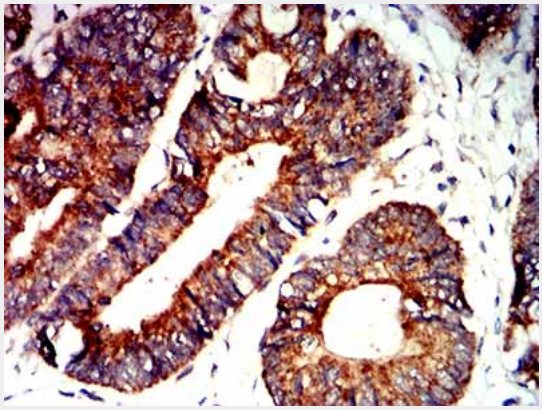


Figure 5:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using BAK1 mouse mAb with DAB staining.



1/200 - 1/1000

BAK1 - References

1.Cell Death Differ. 2015 Oct;22(10):1665-75. 2.PLoS Pathog. 2013;9(10):e1003658.