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BAK1

Purified Mouse Monoclonal Antibody
Catalog # AO2603a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q16611
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2H9H7
Isotype	Mouse IgG2b
Calculated MW	23409
Immunogen	Purified recombinant fragment of human BAK1 (AA: 29-187) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	578
Other Names	BAK; CDN1; BCL2L7; BAK-LIKE
Dilution	WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~N/A E~~ 1/10000
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.

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

References

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

Images

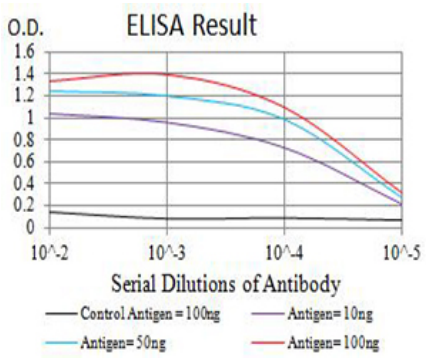


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

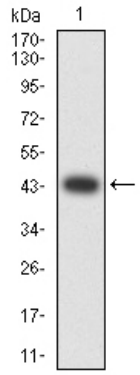


Figure 2:Western blot analysis using BAK1 mAb against human BAK1 (AA: 29-187) recombinant protein. (Expected MW is 43.9 kDa)

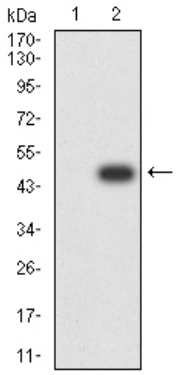
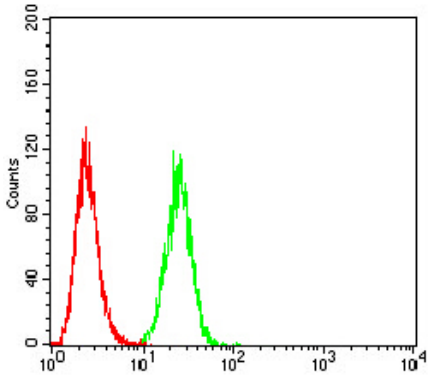


Figure 3:Western blot analysis using BAK1 mAb against HEK293 (1) and BAK1 (AA: 29-187)-hIgGFc transfected HEK293 (2) cell lysate.

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



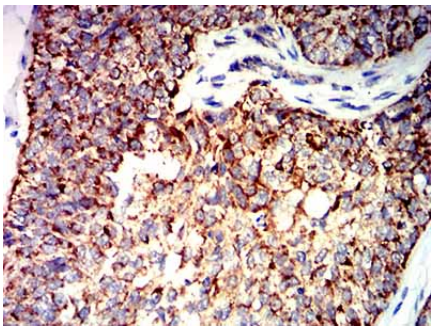
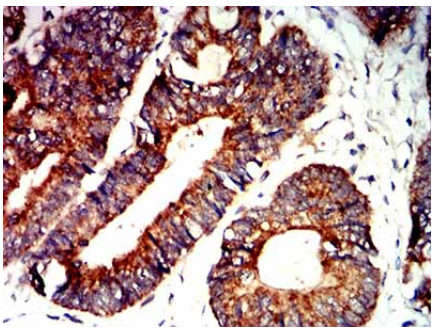


Figure 5:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using BAK1 mouse mAb with DAB staining.



1/200 - 1/1000