

**BAK1**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2603a**

**Specification**

---

**BAK1 - Product Information**

Application	E, WB, IHC
Primary Accession	<a href="#">Q16611</a>
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 Cytometry](#)
- [Cell Culture](#)

### BAK1 - Images

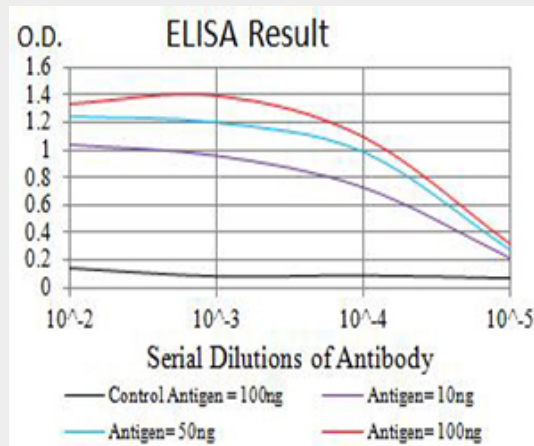


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

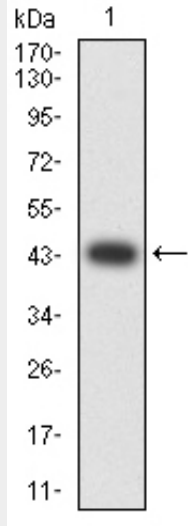


Figure 2: Western blot analysis using BAK1 mAb against human BAK1 (AA: 29-187) recombinant protein. (Expected MW is 43.9 kDa)

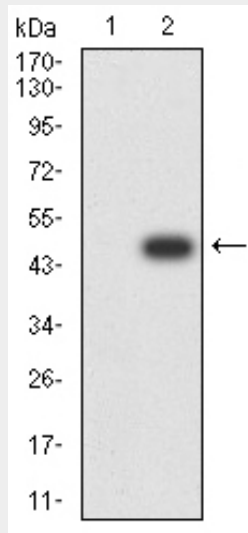


Figure 3: Western blot analysis using BAK1 mAb against HEK293 (1) and BAK1 (AA: 29-187)-hlgGfc transfected HEK293 (2) cell lysate.

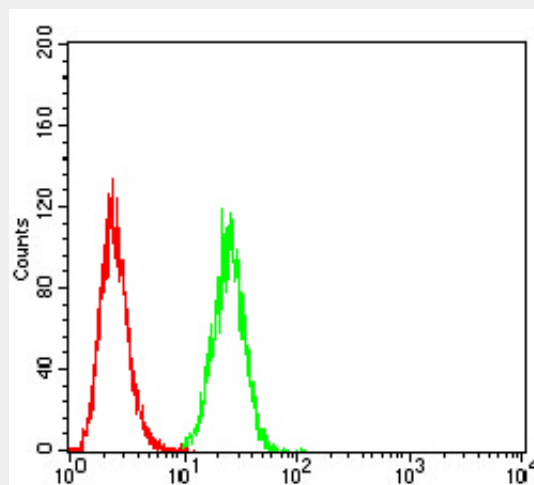


Figure 4: Flow cytometric analysis of HeLa cells using BAK1 mouse mAb (green) and negative

control (red).

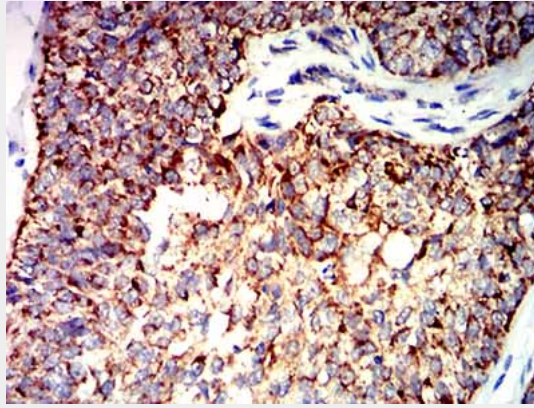
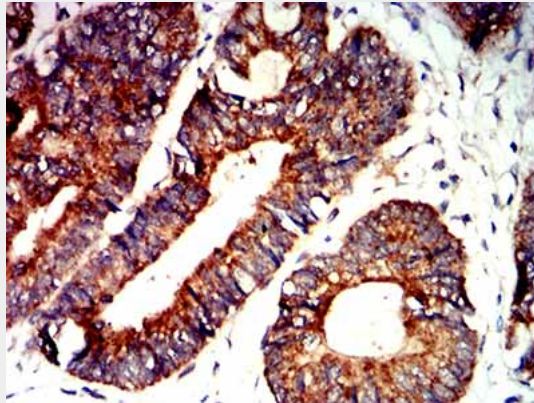


Figure 5: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using BAK1 mouse mAb with DAB staining.



1/200 - 1/1000

#### **BAK1 - References**

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