

Product Datasheet

BAK/BAK1 Rabbit Polyclonal Antibody (orb738368)

Catalog Number	orb738368
Category	Antibodies
Description	Anti-BAK/BAK1 Antibody. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Target	Bcl-2 homologous antagonist/killer
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Buffer/Preservatives	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.

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Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human BAK1, different from the related mouse and rat sequences by one amino acid.
UniProt ID	Q16611
MW	23 kDa
Tested applications	ICC, IF, IHC, WB
Dilution range	Western blot, 0.25-0.5µg/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5µg/ml, Human, Rat Immunocytochemistry/Immunofluorescence, 5µg/ml, Human
Specificity	No cross reactivity with other proteins.
Cross Reactivity	No cross-reactivity with other proteins
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

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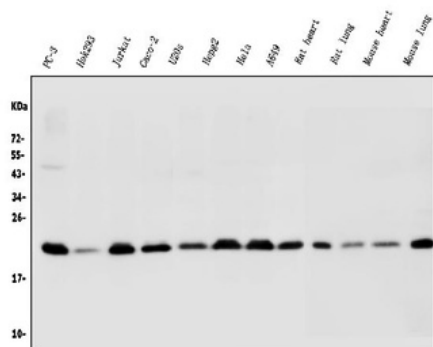
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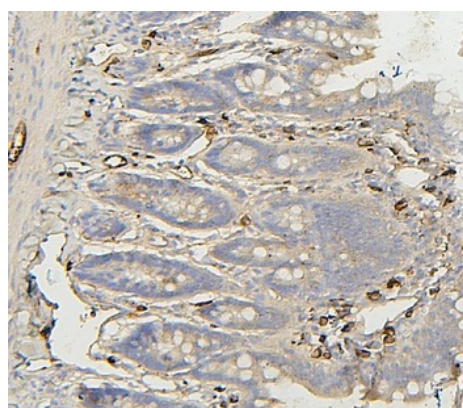
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Western blot analysis of BAK/BAK1 using anti-BAK/BAK1 antibody (orb738368). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human PC-3 whole cell lysates, Lane 2: human HEK293 whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human CACO-2 whole cell lysates, Lane 5: human U20S whole cell lysates, Lane 6: human HEPG2 whole cell lysates, Lane 7: human HELA whole cell lysates, Lane 8: human A549 whole cell lysates, Lane 9: rat heart tissue lysates, Lane 10: rat lung tissue lysates, Lane 11: mouse heart tissue lysates, Lane 12: mouse lung tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BAK/BAK1 antigen affinity purified polyclonal antibody (Catalog # orb738368) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # orb90503) with Tanon 5200 system. A specific band was detected for BAK/BAK1 at approximately 23KD. The expected band size for BAK/BAK1 is at 23KD.



IHC analysis of BAK/BAK1 using anti-BAK/BAK1 antibody (orb738368). BAK/BAK1 was detected in paraffin-embedded section of rat intestine tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2µg/ml rabbit anti-BAK/BAK1 Antibody (orb738368) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # orb90444) with DAB as the chromogen.

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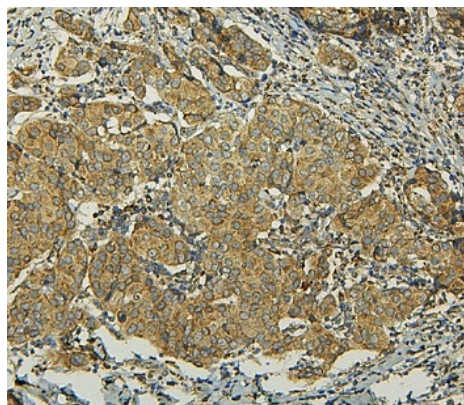
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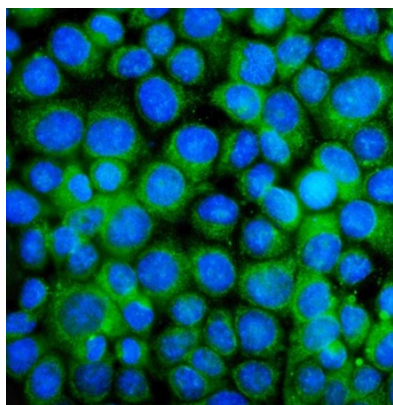
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IHC analysis of BAK/BAK1 using anti-BAK/BAK1 antibody (orb738368). BAK/BAK1 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-BAK/BAK1 Antibody (orb738368) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # orb90444) with DAB as the chromogen.



IF analysis of BAK/BAK1 using anti-BAK/BAK1 antibody (orb738368). BAK/BAK1 was detected in immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (orb90553) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 μ g/mL rabbit anti-BAK/BAK1 Antibody (orb738368) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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