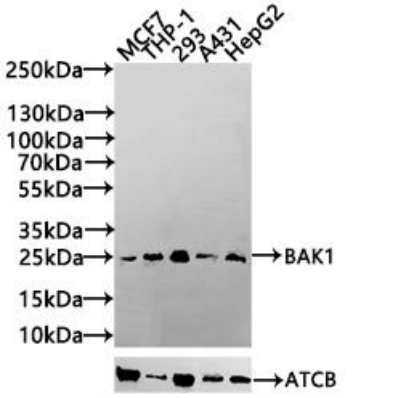
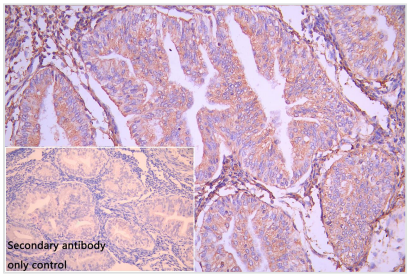
BAK1 Recombinant Monoclonal Antibody

Product Code	CSB-RA624111A0HU
Abbreviation	Bcl-2 homologous antagonist/killer
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q16611
Immunogen	A synthesized peptide derived from human BAK1
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, FC, IP; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000
Relevance	Plays a role in the mitochondrial apoptosic 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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cell Biology
Target Names	BAK1
Clone No.	8D1

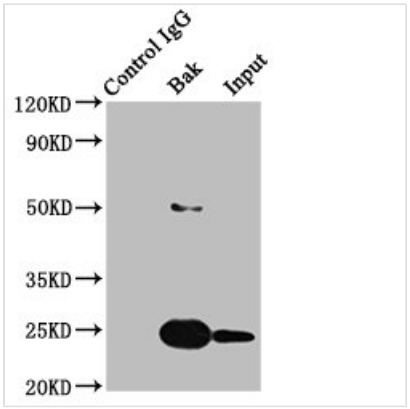
Image



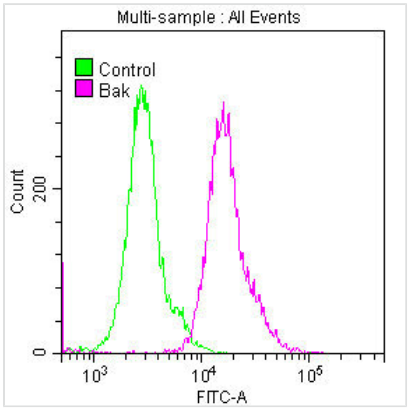
Western Blot
Positive WB detected in: MCF7 whole cell lysate(30μg), THP-1 whole cell lysate(30μg), 293 whole cell lysate(30μg), A431 whole cell lysate(30μg), HepG2 whole cell lysate(30μg)
All lanes: BAK1 antibody at 1:1000
Secondary
Goat polyclonal to rabbit IgG at 1/40000 dilution
Predicted band size: 24 kDa
Observed band size: 24 kDa
Exposure time: 60s



IHC image of CSB-RA624111A0HU diluted at 1:50 and staining in paraffin-embedded human endometrial tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB. Secondary antibody only control: uses 1% BSA instead of primary antibody



Immunoprecipitating BAK1 in HEK293 whole cell lysate
Lane 1: Rabbit control IgG instead of CSB-RA624111A0HU in HEK293 whole cell lysate.For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: CSB-RA624111A0HU (3µg) + HEK293 whole cell lysate (500µg)
Lane 3: HEK293 whole cell lysate (20µg)



Overlay histogram showing Hela cells stained with CSB-RA624111A0HU (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4?. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4?. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.