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Apoptosis Research Antibody Assembly kit(bcl-2, bax, Caspase-3, Caspase-9, Cytochrome C)

Catalog Number:	Abk001
Target Protein:	Apoptosis Research Antibody Assembly kit(bcl-2, bax, Caspase-3, Caspase-9, Cytochrome C)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-5000), IHC-P (1:100-500)
Reactivity:	Human, Mouse
Subcellular Locations:	Cytoplasm
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Apoptosis is the most common type of programmed cell death. The signal transduction of apoptosis involves the processing and activation of cysteinase caspase and the alternative mitochondrial pathway mediated by pro-apoptosis factors. Among them, the caspase mediating the initiation of apoptosis includes caspase-8,-9,-10 and -12, in which caspase-8 is mainly involved in tumor necrosis factor receptor (TNFR) superfamily death receptor mediated extrinsic apoptosis pathway. Caspase-3,-6 and -7 mediate downstream effects, including cleavage of cytoskeleton and chromatin, and eventually lead to apoptosis. In addition, mitochondria also play key roles in activation of apoptosis. Different upstream stimuli promote the binding of pro-apoptosis factors to the outer membrane of mitochondria through signal transduction, which leads to the change of mitochondrial permeability and the release of inner mitochondrial membrane (IMM) proteins (such as cytochrome C and other proteins). Cytochrome C coupling activation of caspase-9 can further activate key downstream effector caspases. Apoptosis Research Antibody Assembly Kit is one economical package of selected antibodies for most representative apoptosis signaling pathway-related proteins, bcl-2, bax, Caspase-3, Caspase-9, Cytochrome C. These antibodies have been tested in a variety of applications and species. For specific application information of different antibodies, please refer to each individual antibody datasheet.

Apoptosis Research Antibody Assembly kit

Bcl-2 Recombinant Rabbit mAb(bsm-61074R)

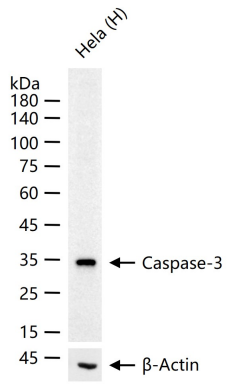
Bax Recombinant Rabbit mAb(bsm-52316R)

Caspase-3 Recombinant Rabbit mAb(bsm-61071R)

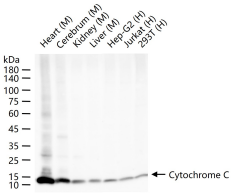
Caspase-9 Recombinant Rabbit mAb(bsm-52566R)

Cytochrome C Recombinant Rabbit mAb(bsm-52050R)

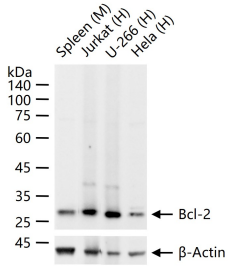
VALIDATION IMAGES



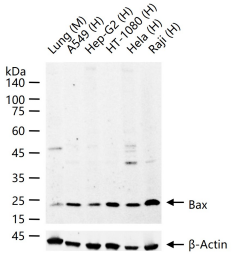
25 ug total protein per lane of various lysates (see on figure) probed with Caspase-3 monoclonal antibody, unconjugated (bsm-61071R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



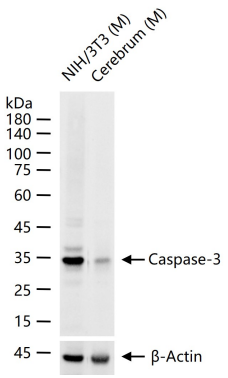
25 ug total protein per lane of various lysates (see on figure) probed with Cytochrome C monoclonal antibody, unconjugated (bsm-52050R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



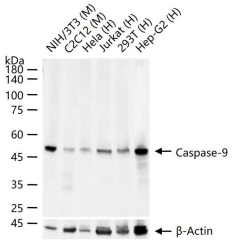
25 ug total protein per lane of various lysates (see on figure) probed with Bcl-2 monoclonal antibody, unconjugated (bsm-61074R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



25 ug total protein per lane of various lysates (see on figure) probed with Bax monoclonal antibody, unconjugated (bsm-52316R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



25 ug total protein per lane of various lysates (see on figure) probed with Caspase-3 monoclonal antibody, unconjugated (bsm-61071R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



25 ug total protein per lane of various lysates (see on figure) probed with Caspase-9 monoclonal antibody, unconjugated (bsm-52566R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.