10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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Catalog # AP93977

Product Information

Application	WB, IHC-P
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 kitBcl-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)

Additional Information

Dilution	WB=1:500-5000,IHC-P=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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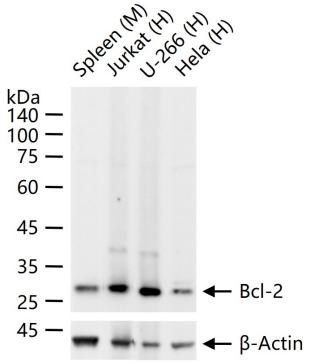
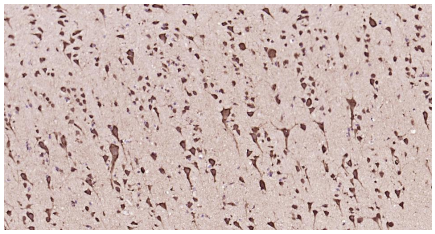
Images



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.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytochrome C Monoclonal Antibody, Unconjugated(bsm-52050R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.