

Anti-Bad Antibody [2H4]

RT1067



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IP, IF, IHC-P
Molecular Wt:	25 kDa
Clone number:	2H4

Description: The Bcl-2 family of proteins is characterized by its ability to modulate cell death (apoptosis) under a broad range of physiologic conditions. Bcl-2 and several related proteins function to inhibit apoptosis, while other members of the Bcl-2 family, such as Bax and Bak, enhance cell death under various conditions. For instance, Bcl-xL represses cell death, while its shorter form, Bcl-xS, promotes apoptosis. A protein designated Bad exhibits homology to Bcl-2, limited to the BH1 and BH2 domains. Bad functions to dimerize with Bcl-xL and with Bcl-2, but not with Bax, Bcl-xS, Mcl-1, A1 or itself. In mammalian cells, Bad binds with greater affinity to Bcl-xL than to Bcl-2, and reverses the death repressor activity of Bcl-xL but not Bcl-2. Dimerization of Bad with Bcl-xL results in displacement of Bax from Bcl-xL: Bax complexes, thereby causing restoration of Bax-mediated apoptosis.

Immunogen: peptide

Positive control: HeLa, human fallopian tube tissue.

Subcellular location: Cytoplasm, Mitochondrion outer membrane

Database links: SwissProt: Q92934 Human

Recommended Dilutions:

WB	1:1,000
IP	1-2 µg per 100-500 µg of total protein
IF	1:50-500
IHC-P	1:50-500

Storage Buffer: 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Storage Instruction: Store at +4°C

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Images

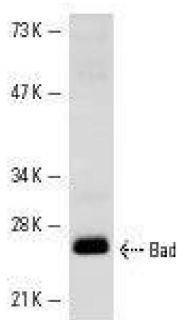


Fig1: A. Western blot analysis of Bad expression in HeLa whole cell lysate.

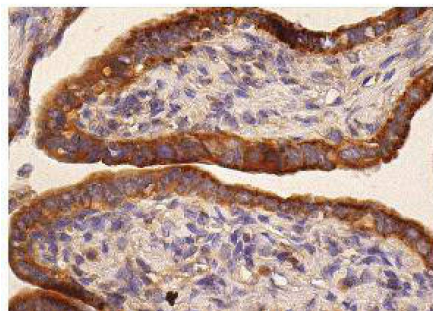


Fig2: B. Immunoperoxidase staining of formalin fixed, paraffin-embedded human fallopian tube tissue showing cytoplasmic staining of glandular cells.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Fischer, R., et al. 2001. Expression of the peripheral-type benzodiazepine receptor and apoptosis induction in hepatic stellate cells. *Gastroenterology* 120: 1212-1226.
2. He, Y., et al. 2010. 19-peptide, a fragment of tumstatin, inhibits the growth of poorly differentiated gastric carcinoma cells in vitro and in vivo. *J. Gastroenterol. Hepatol.* 25: 935-941.
3. Liu, S., et al. 2010. FRP inhibits ox-LDL-induced endothelial cell apoptosis through an Akt-NFκB-Bcl-2 pathway and inhibits endothelial cell apoptosis in an apoE-knockout mouse model. *Am. J. Physiol. Endocrinol. Metab.* 299: E351-E363.
4. Tang, Y.A., et al. 2010. A novel histone deacetylase inhibitor exhibits antitumor activity via apoptosis induction, F-actin disruption and gene acetylation in lung cancer. *PLoS ONE* 5: e12417.
5. Polzien, L., et al. 2011. Bad contributes to RAF-mediated proliferation and cooperates with B-RAF-V600E in cancer signaling. *J. Biol. Chem.* 286:17934-17944.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

华安生物
HUABIO
www.huabio.cn