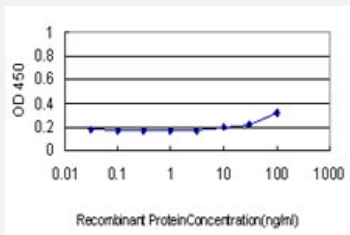


BAD monoclonal antibody (M02), clone 3H8

Catalog # H00000572-M02

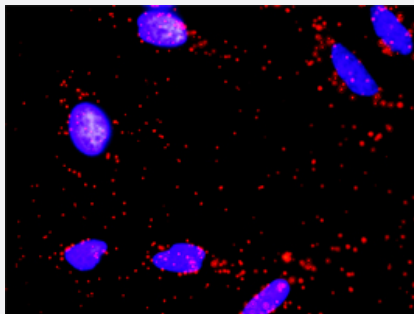
Size 100 ug

Applications



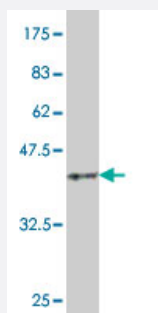
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BAD is approximately 30ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between AKT1 and BAD. HeLa cells were stained with anti-AKT1 rabbit purified polyclonal 1:1200 and anti-BAD mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant BAD.

| | |
|--------------------------------|--|
| Immunogen | BAD (AAH01901, 69 a.a. ~ 168 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | IRSRHSSYPAGTEDDEGMGEESPFRGRSRSAPPNLWAAQRYGRELRRMSDEFVDSFKKGLPR PKSAGTATQMRQSSSWTRVFQSWWDRNLGRGSSAPSQ |
| Host | Mouse |
| Reactivity | Human |
| Isotype | IgG2a lambda |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) . |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BAD is approximately 30ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between AKT1 and BAD. HeLa cells were stained with anti-AKT1 rabbit purified polyclonal 1:1200 and anti-BAD mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — BAD

| | |
|----------------------------|--------------------------|
| Entrez GeneID | 572 |
| GeneBank Accession# | BC001901 |
| Protein Accession# | AAH01901 |

| | |
|--------------------|--|
| Gene Name | BAD |
| Gene Alias | BBC2, BCL2L8 |
| Gene Description | BCL2-associated agonist of cell death |
| Omim ID | 603167 |
| Gene Ontology | Hyperlink |
| Gene Summary | The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. [provided by RefSeq] |
| Other Designations | BCL-X/BCL-2 binding protein BCL2-antagonist of cell death protein BCL2-binding component 6 BCL2-binding protein |

Publication Reference

- [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)

Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY.

Molecular & Cellular Proteomics 2013 May; 12(5):1335.

Application: Profiling, Human, Huh7 cells, Mahlavu cells

- [ZIC1 Is Downregulated through Promoter Hypermethylation, and Functions as a Tumor Suppressor Gene in Colorectal Cancer.](#)

Gan L, Chen S, Zhong J, Wang X, Lam EK, Liu X, Zhang J, Zhou T, Yu J, Si J, Wang L, Jin H.

PLoS One 2011 Feb; 6(2):e16916.

Application: WB-Tr, Human, HT29, HCT116 cells

Pathway

- [Acute myeloid leukemia](#)
- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)

- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [Melanoma](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [VEGF signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Parkinson disease](#)
- [Thyroid Neoplasms](#)