10320 Camino Santa Fe, Suite G
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BAG1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant BAG1.
Catalog # AT1260a

Specification

BAG1 Antibody (monoclonal) (M02) - Product Information

Application	**WB, IHC, IF, E**
Primary Accession	Q99933
Other Accession	NM_004323
Reactivity	**Human, Mouse, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**38779**

BAG1 Antibody (monoclonal) (M02) - Additional Information

Gene ID 573

Other Names
BAG family molecular chaperone regulator 1, BAG-1, Bcl-2-associated athanogene 1, BAG1, HAP

Target/Specificity
BAG1 (NP_004314, 241 a.a. ~ 345 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IHC~~1:100~500
IF~~1:50~200
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
BAG1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

BAG1 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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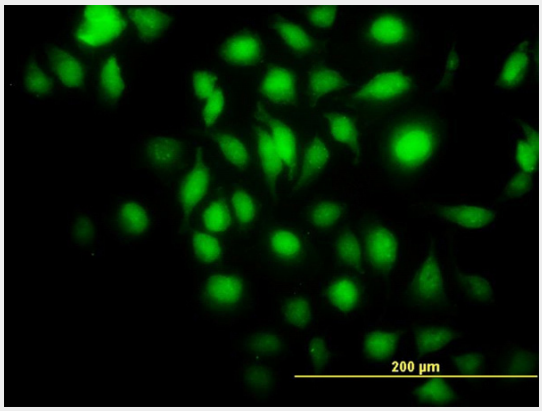
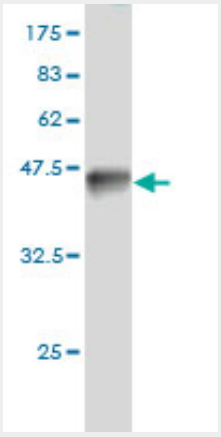
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

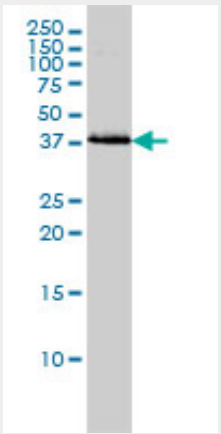
BAG1 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to BAG1 on HeLa cell. [antibody concentration 35 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.29 KDa) .



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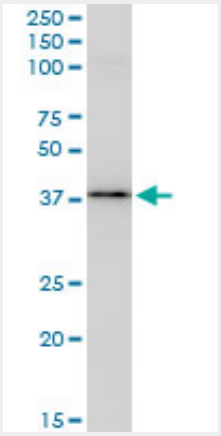
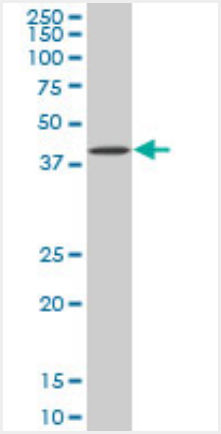
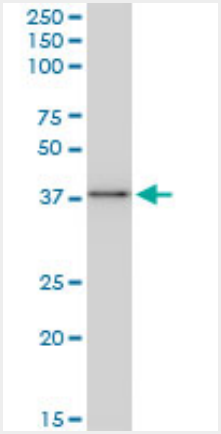
BAG1 monoclonal antibody (M02), clone 2D3 Western Blot analysis of BAG1 expression in HeLa ((Cat # AT1260a)



BAG1 monoclonal antibody (M02), clone 2D3. Western Blot analysis of BAG1 expression in PC-12((Cat # AT1260a)



BAG1 monoclonal antibody (M02), clone 2D3. Western Blot analysis of BAG1 expression in LNCaP ((Cat # AT1260a)



BAG1 monoclonal antibody (M02), clone 2D3. Western Blot analysis of BAG1 expression in Raw 264.7((Cat # AT1260a)

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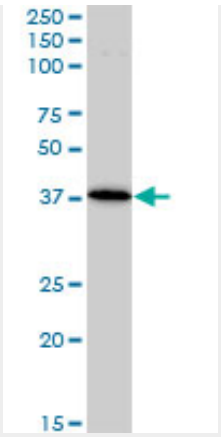
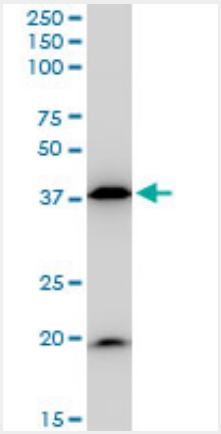
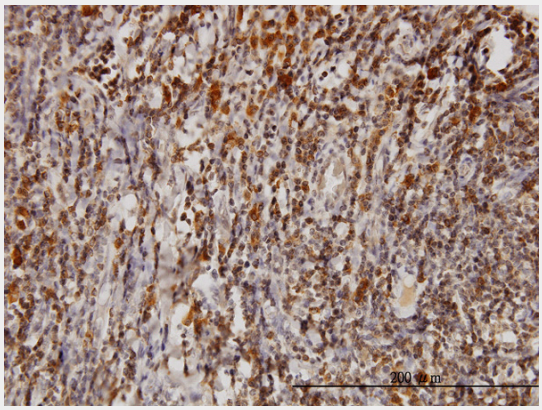


BAG1 monoclonal antibody (M02), clone 2D3. Western Blot analysis of BAG1 expression in Jurkat ((Cat # AT1260a)



BAG1 monoclonal antibody (M02), clone 2D3. Western Blot analysis of BAG1 expression in NIH/3T3((Cat # AT1260a)



Immunoperoxidase of monoclonal antibody to BAG1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

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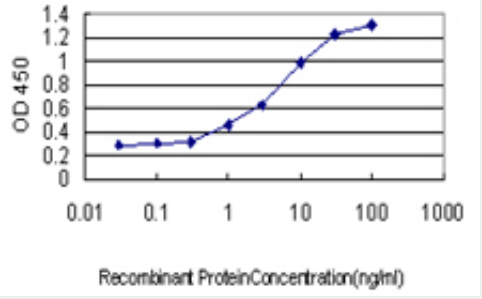

Detection limit for recombinant GST tagged BAG1 is approximately 0.03ng/ml as a capture antibody.

BAG1 Antibody (monoclonal) (M02) - Background

The oncogene BCL2 is a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to BCL2 and is referred to as BCL2-associated athanogene. It enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. Multiple protein isoforms are encoded by this mRNA through the use of a non-AUG (CUG) initiation codon, and three alternative downstream AUG initiation codons. A related pseudogene has been defined on chromosome X.

BAG1 Antibody (monoclonal) (M02) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.BAG1 restores formation of functional DJ-1 L166P dimers and DJ-1 chaperone activity. Deeg S, et al. J Cell Biol, 2010 Feb 22. PMID 20156966.Nuclear or cytoplasmic localization of Bag-1 distinctly correlates with pathologic behavior and outcome of gastric carcinomas. Zheng HC, et al. Hum Pathol, 2010 May. PMID 20096920.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.