

**BAG1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant BAG1.****Catalog # AT1259a****Specification**

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**BAG1 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IF, E
Primary Accession	<a href="#">O99933</a>
Other Accession	<a href="#">NM_004323</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	38779

**BAG1 Antibody (monoclonal) (M01) - 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

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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

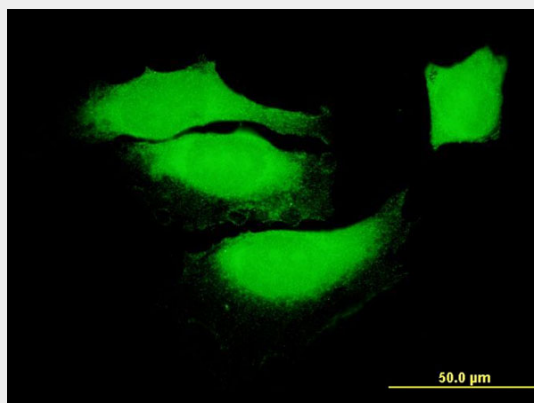
**BAG1 Antibody (monoclonal) (M01) - Protocols**

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

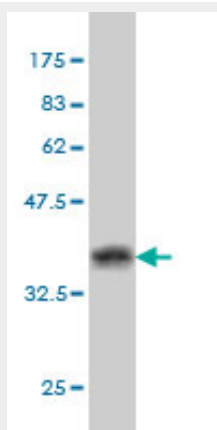
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

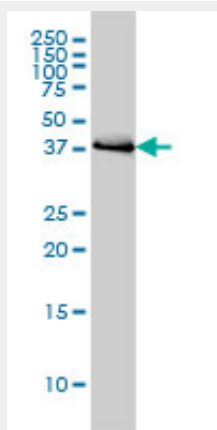
# **BAG1 Antibody (monoclonal) (M01) - Images**



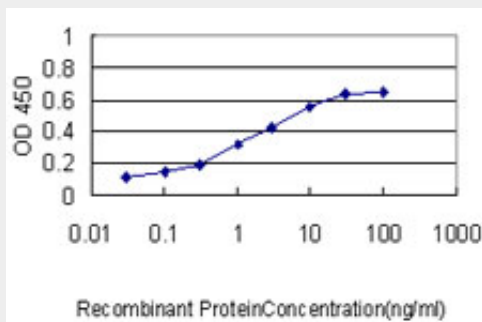
Immunofluorescence of monoclonal antibody to BAG1 on HeLa cell. [antibody concentration 10 ug/ml]



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



BAG1 monoclonal antibody (M01), clone 4E2 Western Blot analysis of BAG1 expression in HeLa (Cat # AT1259a )



Detection limit for recombinant GST tagged BAG1 is approximately 0.1ng/ml as a capture antibody.

### **BAG1 Antibody (monoclonal) (M01) - 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) (M01) - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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.