

BAG2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant BAG2.

Catalog # AT1261a

Specification

BAG2 Antibody (monoclonal) (M01) - Product Information

| | |
|-------------------|---------------------------|
| Application | WB |
| Primary Accession | O95816 |
| Other Accession | NM_004282 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 Kappa |
| Calculated MW | 23772 |

BAG2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 9532**Other Names**

BAG family molecular chaperone regulator 2, BAG-2, Bcl-2-associated athanogene 2, BAG2

Target/Specificity

BAG2 (NP_004273, 102 a.a. ~ 211 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

BAG2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

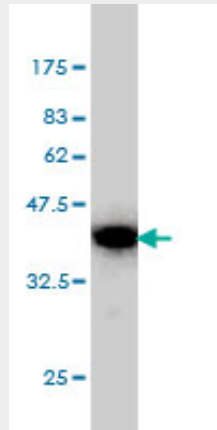
BAG2 Antibody (monoclonal) (M01) - Protocols

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

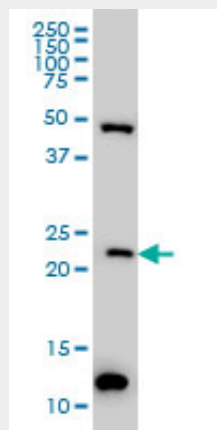
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

BAG2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



BAG2 monoclonal antibody (M01), clone 6E12 Western Blot analysis of BAG2 expression in HeLa (Cat # AT1261a)

BAG2 Antibody (monoclonal) (M01) - Background

BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner.

BAG2 Antibody (monoclonal) (M01) - References

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931. The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et

al. Genome Res, 2006 Jan. PMID 16344560. BAG-2 acts as an inhibitor of the chaperone-associated ubiquitin ligase CHIP. Arndt V, et al. Mol Biol Cell, 2005 Dec. PMID 16207813. Regulation of the cytoplasmic quality control protein degradation pathway by BAG2. Dai Q, et al. J Biol Chem, 2005 Nov 18. PMID 16169850.