BAG-1 Antibody

Catalog No: #24433

Description

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Product Name	BAG-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the carboxy terminus of human BAG-1.
Target Name	BAG-1
Other Names	Bcl-2-binding athanogene-1, receptor-associated protein 46, RAP46
Accession No.	Swiss-Prot:Q99933Gene ID:573
Uniprot	Q99933
GeneID	573;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images
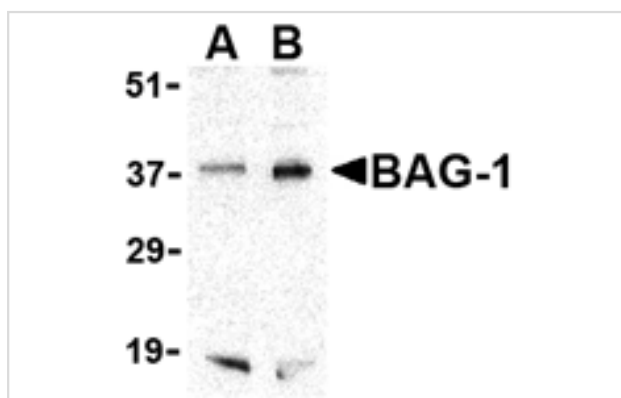
Western blot analysis of BAG-1 in PC-3 cell lysate with BAG-1 antibody at (A) 1 and (B) 2 ug/mL.
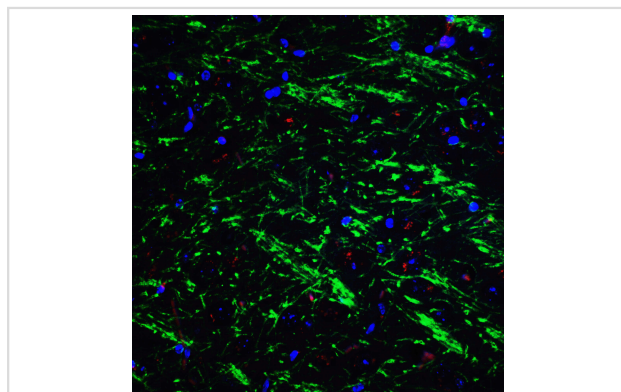
Immunofluorescence of BAG 1 in mouse brain tissue with BAG 1 Antibodyat 20 µg/mL.
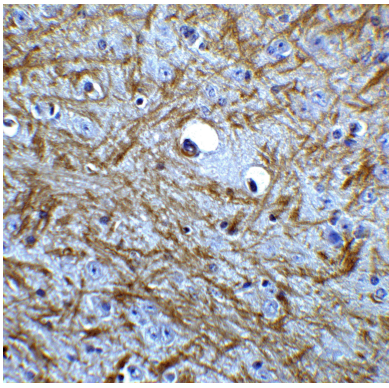
Immunohistochemistry of BAG 1 in mouse brain tissue with BAG 1 Antibodyat 5 µg/mL.

Background

Bcl-2-associated athanogene 1 (BAG-1) was first identified as an anti-apoptotic bcl-2-binding protein. Later it was found to bind the molecular chaperones Hsp70 and Hsc70 through its carboxy-terminal sequence (termed the Bag domain), resulting in the inhibition of the refolding activity of these chaperones. It is thought that by binding and inhibiting these molecular chaperones, BAG-1is able to modulate the expression level of proteins requiring chaperones to fold correctly. One such group of proteins that are affected is glucocorticoid receptors. Other reports have suggested that the level of BAG-1 expression correlates with the aggressiveness of various cancers. Multiple isoforms of BAG-1 are known to exist.

Note: This product is for in vitro research use only