

Product Name: Bag-1 Rabbit Polyclonal Antibody
Catalog #: APRab07434



Summary

Production Name	Bag-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BAG1
Alternative Names	BAG1; HAP; BAG family molecular chaperone regulator 1; BAG-1; Bcl-2-associated athanogene 1
Gene ID	573.0
SwissProt ID	Q99933.The antiserum was produced against synthesized peptide derived from the Internal region of human BAG1. AA range:41-90

Application

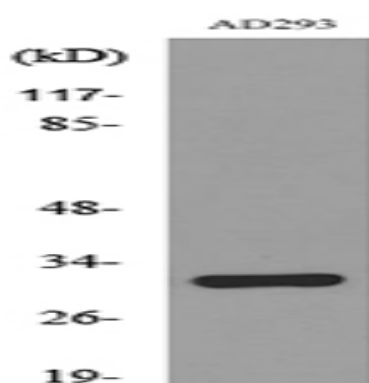
Dilution Ratio	WB 1:500-1:2000, ELISA 1:20000.Not yet tested in other applications.
Molecular Weight	35kDa

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. [provided by RefSeq, Feb 2010],disease:May be linked to the cryptophthalmos syndrome (Fraser syndrome), an autosomal recessive disorder characterized by the failure of eyes fissures to form during embryogenesis, webbed fingers, and atresia of ear canals, anus, vagina, alimentary tract, or larynx. All these developmental processes require cell death.,function:Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Inhibits the pro-apoptotic function of PPP1R15A, and has anti-apoptotic activity. Markedly increases the anti-cell death function of BCL2 induced by various stimuli.,PTM:Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.,similarity:Contains 1 BAG domain.,similarity:Contains 1 ubiquitin-like domain.,subcellular location:Isoform2 localizes to the cytoplasm and shuttles into the nucleus in response to heat shock.,subunit:Binds to the ATPase domain of HSP70/HSC chaperones. Binds to BCL2 and NR3C1. Interacts with N-terminal region of STK19. Interacts with PPP1R15A. Isoform 2 doesn't interact with HSP70/HSC or BCL2.,

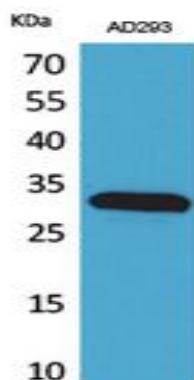
Research Area

Image Data



Western blot analysis of lysate from AD293 cells, using BAG1 Antibody.

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Western Blot analysis of AD293 cells using Bag-1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

Note

For research use only.