Bag3 Conjugated Antibody

Catalog No: #C49578

Package Size: #C49578-AF350 100ul #C49578-AF405 100ul #C49578-AF488 100ul #C49578-AF555 100ul #C49578-AF594 100ul #C49578-AF647 100ul #C49578-AF680 100ul #C49578-AF750 100ul #C49578-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Bag3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	BAG 3 antibody BAG family molecular chaperone regulator 3 antibody BAG-3 antibody Bag3 antibody BAG3_HUMAN antibody Bcl 2 binding protein antibody Bcl-2-associated athanogene 3 antibody Bcl-2-binding protein Bis antibody BCL2 associated athanogene 3 antibody BCL2 binding athanogene 3 antibody BIS antibody CAIR 1 antibody Docking protein CAIR 1 antibody Docking protein CAIR-1 antibody MFM6 antibody
Accession No.	Swiss-Prot#:O95817
Uniprot	O95817
GeneID	9531;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	75 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The Bag family of proteins are characterized by the presence of a 45 amino acid Bag domain through which they bind with high affinity to the ATPase domain of HSP 70, thereby negatively regulating HSP 70 chaperone activity. Bag-3 (Bcl-2-associated athanogene 3), also known as BIS or CAIR-1, is a 575 amino acid protein that contains one C-terminal Bag domain and two N-terminal WW domains. Like other members of the Bag family, Bag-3 functions to inhibit the chaperone activity of HSP 70, specifically by promoting the release of HSP 70-bound substrates. Additionally, Bag-3 exhibits anti-apoptotic activity via cell cycle control, suggesting a possible role for Bag-3 in tumor progression. The gene encoding Bag-3 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome.

Note: This product is for in vitro research use only