BSPRY Conjugated Antibody

Catalog No: #C43996

Package Size: #C43996-AF350 100ul #C43996-AF405 100ul #C43996-AF488 100ul #C43996-AF555 100ul #C43996-AF594 100ul #C43996-AF647 100ul #C43996-AF680 100ul #C43996-AF750 100ul #C43996-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	BSPRY Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total BSPRY protein.
Immunogen Description	Synthetic peptide of human BSPRY
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Accession No.	Swiss-Prot#:Q5W0U4NCBI Gene ID:54836NCBI Protein#:NP_060158
Uniprot	Q5W0U4
GeneID	54836;
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
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

BSPRY (B-box and SPRY domain containing) is a 402 amino acid protein that localizes to both the membrane and the cytoplasm and contains one B box-type zinc finger and one B30.2/SPRY domain. Existing as two alternatively spliced isoforms, BSPRY interacts with TRPV5 and TRPV6 and is thought to regulate the transport of calcium across the epithelium, probably by inhibiting the activity of TRPV proteins. The gene encoding BSPRY maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

Note: This product is for in vitro research use only