ATM (Phospho- S1981) Conjugated Antibody

Catalog No: #C13432

Package Size: #C13432-AF350 100ul #C13432-AF405 100ul #C13432-AF488 100ul #C13432-AF555 100ul #C13432-AF594 100ul #C13432-AF647 100ul #C13432-AF680 100ul #C13432-AF750 100ul #C13432-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	ATM (Phospho- S1981) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	(ALPHA)II-SPECTRIN antibody Alpha II Spectrin antibody Alpha-II spectrin antibodybrain antibody EIEE5 antibody FLJ17738 antibody FLJ44613 antibody Fodrin alpha chain antibody Fodrin, alpha antibody NEAS antibody Non erythrocytic spectrin alpha antibody non-erythroid alpha chain antibody SPECA antibody Spectrin alpha chain antibody Spectrin alpha chain brain antibody Spectrin alpha non erythrocytic 1 antibody Spectrin antibody Spectrin non erythroid alpha chain antibody Spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) antibody Spectrin, nonerythroid, alpha subunit antibody Spna2 antibody SPTA 2 antibody SPTA2 antibody SPTA2_HUMAN antibody SPTAN 1 antibody SPTAN1 antibody
Accession No.	Swiss-Prot#:Q13813
Uniprot	Q13813
GeneID	6709;
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	285/150
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

Alpha Fodrin also named Spectrin. Spectrin, an actin binding protein that is a major component of the cytoskeletal superstructure of the erythrocyte plasma membrane, is essential in determining the properties of the membrane including its shape and deformability. Spectrins function as membrane organizers and stabilizers, composed of nonhomologous α and β chains, which aggregate side-to-side in an antiparallel fashion to form dimers, tetramers, and higher polymers. Spectrin α I and spectrin β I are present in erythrocytes, whereas spectrin α II (also designated fodrin α) and spectrin β II (also designated fodrin β) are present in other somatic cells. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function. Activation of calpain results in the breakdown of spectrin α II, a neuronal cytoskeleton protein.

Note: This product is for in vitro research use only