

AMPK alpha 2(Phospho-S345) Conjugated Antibody

Catalog No: #C13424



Package Size: #C13424-AF350 100ul #C13424-AF405 100ul #C13424-AF488 100ul
 #C13424-AF555 100ul #C13424-AF594 100ul #C13424-AF647 100ul
 #C13424-AF680 100ul #C13424-AF750 100ul #C13424-Biotin 100ul

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

Description

Product Name	AMPK alpha 2(Phospho-S345) 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	4732461B14Rik antibody AN2 antibody AN2 proteoglycan antibody Chondroitin sulfate proteoglycan 4 (melanoma-associated) antibody Chondroitin sulfate proteoglycan 4 antibody Chondroitin sulfate proteoglycan NG2 antibody Cspg4 antibody Cspg4 chondroitin sulfate proteoglycan 4 antibody CSPG4_HUMAN antibody HMW-MAA antibody HSN tumor-specific antigen antibody Kiaa4232 antibody MCSP antibody MCSPG antibody MEL-CSPG antibody Melanoma chondroitin sulfate proteoglycan antibody Melanoma-associated chondroitin sulfate proteoglycan antibody MELCSPG antibody MSK16 antibody NG2 antibody
Accession No.	Swiss-Prot#:Q6UVK1
Uniprot	Q6UVK1
GeneID	1464;
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	251
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

NG2 (also known as melanoma-associated chondroitin sulfate proteoglycan 4, MCSP, MCSPG, MSK16 and MEL-CSPG) stabilizes cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. NG2 may facilitate primary melanoma progression by enhancing the activation of key signaling pathways important for tumor invasion and growth. Threonine 2256 phosphorylation of rat NG2 (Threonine 2252 phosphorylation of human NG2) leads to redistribution of NG2 on the surface of astrocytomas, polarization of the cell and a significant increase in cell motility. NG2 acts as a co-receptor for spreading and focal contact formation in association with $\alpha 4 \beta 1$ integrin in malignant melanoma cells. NG2 is present on blood vessels throughout the rat embryo. Microvessels within the rat CNS express NG2 on endothelial cells, and outside the CNS, NG2 is present on smooth muscle cells. NG2 is a novel marker for epidermal stem cells that contributes to their patterned distribution by promoting stem cell clustering.

Note: This product is for in vitro research use only