14-3-3 ζ (Phospho-Ser58) Conjugated Antibody

Catalog No: #C11181

Package Size: #C11181-AF350 100ul #C11181-AF405 100ul #C11181-AF488 100ul #C11181-AF555 100ul #C11181-AF594 100ul #C11181-AF647 100ul #C11181-AF680 100ul #C11181-AF750 100ul #C11181-Biotin 100ul

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Description

Product Name	14-3-3 ζ (Phospho-Ser58) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of 14-3-3 ζ only when phosphorylated at serine 58.
Immunogen Description	Peptide sequence around phosphorylation site of serine 58 (R-S-S(p)-W-R) derived from Human 14-3-3 zeta.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	1433Z;143Z;FAS;Factor activating exoenzyme S;KCIP-1
Accession No.	Swiss-Prot#:P63104NCBI Gene ID:7534NCBI mRNA#:NM_001135699.1 NCBI Protein#:NP_001129171.1
Uniprot	P63104
GeneID	7534;
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	28
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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene.

Note: This product is for in vitro research use only