EPB41 (Phospho-Tyr660/418) Conjugated Antibody

Catalog No: #C11799

Package Size: #C11799-AF350 100ul #C11799-AF405 100ul #C11799-AF488 100ul #C11799-AF555 100ul #C11799-AF594 100ul #C11799-AF647 100ul #C11799-AF680 100ul #C11799-AF750 100ul #C11799-Biotin 100ul

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Description

Product Name	EPB41 (Phospho-Tyr660/418) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of EPB41 only when phosphorylated at tyrosine 660/418.
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 660/418 (N-I-Y(p)-I-R)derived from Human EPB41.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	E41P; EPB4.1;band 4.1; P4.1
Accession No.	Swiss-Prot#:P11171NCBI Gene ID:2035NCBI mRNA#:NM_001166005.1. NCBI Protein#:NP_001159477.1.
Uniprot	P11171
GeneID	2035;
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	60
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

Elliptocytosis is a hematologic disorder characterized by elliptically shaped erythrocytes and a variable degree of hemolytic anemia. Inherited as an autosomal dominant, elliptocytosis results from mutation in any one of several genes encoding proteins of the red cell membrane skeleton. The form discussed here is the one found in the 1950s to be linked to Rh blood group and more recently shown to be caused by a defect in protein 4.1. 'Rh-unlinked' forms of elliptocytosis are caused by mutation in the alpha-spectrin gene, the beta-spectrin gene, or the band 3 gene.

Note: This product is for in vitro research use only