FAK (phospho-Tyr576/Tyr577) Conjugated Antibody

Catalog No: #C11545

Package Size: #C11545-AF350 100ul #C11545-AF405 100ul #C11545-AF488 100ul #C11545-AF555 100ul #C11545-AF594 100ul #C11545-AF647 100ul #C11545-AF680 100ul #C11545-AF750 100ul #C11545-Biotin 100ul

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Description

Product Name	FAK (phospho-Tyr576/Tyr577) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of FAK only when phosphorylated at tyrosine 576/577.
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 576/tyrosine 577 (S-T-Y(p)-Y(p)-K-A) derived from Human FAK.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	?FADK 1;FAK1;PTK2
Accession No.	Swiss-Prot#:Q05397NCBI Gene ID:5747NCBI mRNA#:NM_005607.3 NCBI Protein#: NP_005598.3
Uniprot	Q05397
GeneID	5747;
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	125
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

Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (GPCR) occupancy by ligands such as bombesin or lysophosphatidic acid, or via LDL receptor occupancy. Plays a potential role in oncogenic transformations resulting in increased kinase activity.

Note: This product is for in vitro research use only