

STAT6 (Ab-641) Conjugated Antibody

Catalog No: #C21050



Package Size: #C21050-AF350 100ul #C21050-AF405 100ul #C21050-AF488 100ul
 #C21050-AF555 100ul #C21050-AF594 100ul #C21050-AF647 100ul
 #C21050-AF680 100ul #C21050-AF750 100ul #C21050-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	STAT6 (Ab-641) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total STAT6 protein.
Immunogen Description	Peptide sequence around aa.639~643 (R-G-Y-V-P) derived from Human STAT6.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IL-4 Stat
Accession No.	Swiss-Prot#:P42226NCBI Gene ID:6778NCBI mRNA#:NM_003153.3 NCBI Protein#:NP_003144.3
Uniprot	P42226
GeneID	6778;
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	110
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 peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Background

STAT6 is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor-associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. By screening an embryonic lung fibroblast cDNA library with a wildtype STAT6 probe, 2 variant cDNAs were identified, which were termed STAT6B and STAT6C, encoding an N-terminal 110-amino acid truncation and a 27-amino acid deletion in the SH2 domain, respectively. All the three variants are ubiquitously expressed with STAT6B expression greatest in spleen and STAT6C expression greatest in lung. STAT6B resembles an attenuated STAT6, but that STAT6C inhibits IL-4-mediated mitogenesis and cell surface antigen expression, and is not tyrosine phosphorylated

Note: This product is for in vitro research use only