C/EBP-α (Phospho-Thr230) Conjugated Antibody

Catalog No: #C11788

Package Size: #C11788-AF350 100ul #C11788-AF405 100ul #C11788-AF488 100ul #C11788-AF555 100ul #C11788-AF594 100ul #C11788-AF647 100ul #C11788-AF680 100ul #C11788-AF750 100ul #C11788-Biotin 100ul

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Description

Product Name	C/EBP-α (Phospho-Thr230) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The Antibody detects endogenous levels of C/EBP-α only when phosphorylated at Thr230.
Immunogen Description	Peptide sequence around phosphorylation site of threonine 230 (P-P-T(p)-P-V) derived from Human C/EBP-α.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CCAAT/enhancer-binding protein alpha C/EBP alpha CEBPA
Accession No.	Swiss-Prot#:P49715NCBI Gene ID:1050NCBI mRNA#:NM_004364.4. NCBI Protein#:NP_004355.2.
Uniprot	P49715
GeneID	1050;
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	42
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

The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells.

Note: This product is for in vitro research use only