ATF2 (Phospho-Thr71 or 53) Conjugated Antibody

Catalog No: #C11031

Package Size: #C11031-AF350 100ul #C11031-AF405 100ul #C11031-AF488 100ul #C11031-AF555 100ul #C11031-AF594 100ul #C11031-AF647 100ul #C11031-AF680 100ul #C11031-AF750 100ul #C11031-Biotin 100ul

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Description

Product Name	ATF2 (Phospho-Thr71 or 53) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of ATF-2 only when phosphorylated at threonine 71 or 53.
Immunogen Description	Peptide sequence around phosphorylation site of threonine 71 or 53 (T-P-T(p)-P-T) derived from Human ATF2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CREB2;CREBP1
Accession No.	Swiss-Prot#:P15336NCBI Gene ID:1386NCBI mRNA#:NM_001880.2 NCBI Protein#:NP_001871.2
Uniprot	P15336
GeneID	1386;
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	65-75
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

Transcriptional activator, probably constitutive, which binds to the cAMP-responsive element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Interaction with JUN redirects JUN to bind to CRES preferentially over the 12-O-tetradecanoylphorbol-13-acetate response elements (TRES) as part of an ATF2-c-Jun complex.

Note: This product is for in vitro research use only