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Product datasheet for AM09315PU-N

ELK1 pSer383 Mouse Monoclonal Antibody [Clone ID: B4A12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B4A12
Applications:	ELISA
Recommended Dilution:	**Indirect ELISA:** The antibody is reactive to Serine383 phosphorylated Human ELK-1 peptide conjugated with KLH or the peptide- BSA conjugate. The suggested antigen Coating quantity is 1 µg/ml of peptide/or peptide conjugating in pH 9.5 carbonate buffer, 100 µl/well.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Peptide of a phosphorylated fragment of ELK1 (pSer383) conjugated with KLH.
Specificity:	Reactive to Serine383 phosphorylated Human ELK-1 peptide fragment conjugated with KLH or the peptide-BSA conjugate. Not reactive to unconjugated Serine383 phosphorylated Human ELK-1 peptide, KLH or BSA.
Formulation:	0.01M PBS, pH 7.0 without preservatives State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with Double distillated water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ELK1, ETS transcription factor
Database Link:	Entrez Gene 2002 Human P19419

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Background:	ELK1 belongs to the EST transcription factor family. Proteins in the family have a unique DNA binding domain that binds to conserved DNA sequences. Phosphorylation of ELK1 at Serine 383 and 389 by mitogen-activated protein kinases (MAPKs) activates ELK1. The binding of ELK1 to target sequences is also regulated by its co-factor, serum response factor (SRF), by alternative splicing, and by SUMOylation. ELK1 regulates the transcription of c-fos and genes encoding cytoskeleton proteins, and was found to play a role in longterm memory formation, drug addiction and other neurological disorders.
Synonyms:	Elk-1
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Endometrial cancer, ErbB signaling pathway, Focal adhesion, GnRH signaling pathway, Insulin signaling pathway, MAPK signaling pathway, Prion diseases