

ARG44646 anti-CREB antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes CREB
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	CREB
Species	Human
Conjugation	Un-conjugated
Alternate Names	CREB1; CAMP Responsive Element Binding Protein 1; Cyclic AMP-Responsive Element-Binding Protein 1; CREB-1; Cyclic Adenosine 3',5'-Monophosphate Response Element-Binding Protein CREB; Cyclic Adenosine 3',5'-Monophosphate Response Element Binding Protein; CAMP-Responsive Element-Binding Protein 1; CAMP-Response Element-Binding Protein-1; Active Transcription Factor CREB; Transactivator Protein; CRE

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

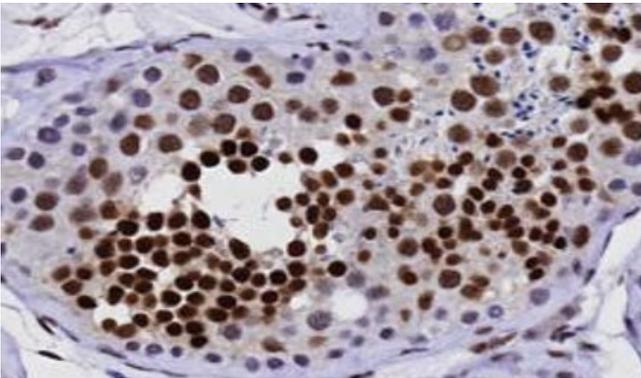
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

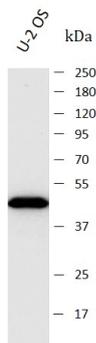
Gene Symbol	CREB1
Gene Full Name	CAMP Responsive Element Binding Protein 1
Background	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]
Function	Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity). [UniProt]
Calculated Mw	37 kDa
PTM	Isopeptide bond, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



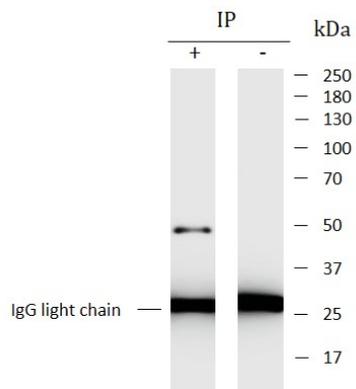
ARG44646 anti-CREB antibody IHC-P image

Immunohistochemistry: Human Testis stained with ARG44646 anti-CREB antibody at 5 μ g/mL dilution.



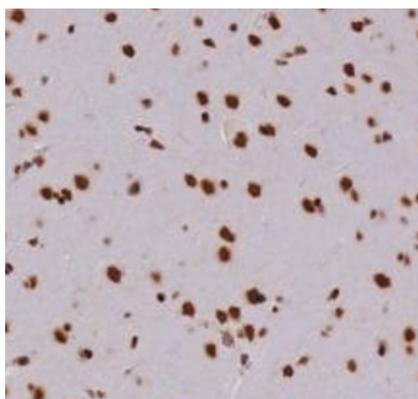
ARG44646 anti-CREB antibody WB image

Western blot: U-2 OS stained with ARG44646 anti-CREB antibody at 1 μ g/mL dilution.



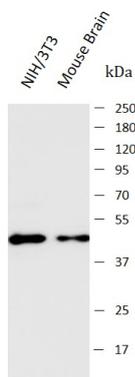
ARG44646 anti-CREB antibody IP image

Immunoprecipitation: U-2 OS lysate immunoprecipitated with 2.5 μ g of ARG44646 anti-CREB antibody.



ARG44646 anti-CREB antibody IHC-P image

Immunohistochemistry: Mouse Brain stained with ARG44646 anti-CREB antibody at 5 μ g/mL dilution.



ARG44646 anti-CREB antibody WB image

Western blot: NIH/3T3 and Mouse Brain stained with ARG44646 anti-CREB antibody at 1 μ g/mL dilution.