

Rabbit anti-Human CREB Polyclonal Antibody | anti-CREB1 antibody

Phospho-CREB (Ser133) Antibody, Rabbit PAb, Antigen Affinity Purified

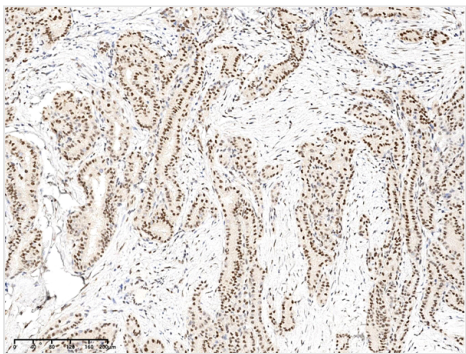
CATALOG # AAA259419	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

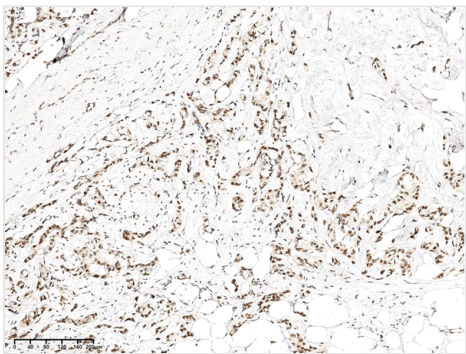
CREB; Polyclonal Antibody; Phospho-CREB (Ser133) Antibody; Rabbit PAb; Antigen Affinity Purified; cAMP responsive element binding protein 1; Anti-CREB Antibody; Anti-CREB-1 Antibody; anti-CREB1 antibody

PRODUCT SPECIFICATIONS

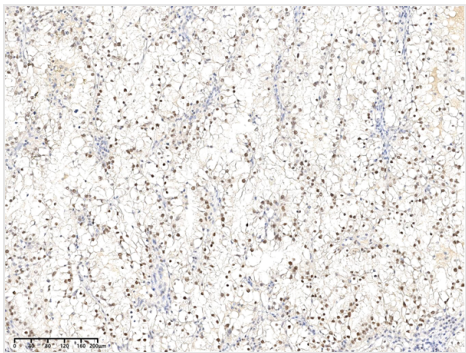
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus, Bovine, Pig, Goat Phospho-CREB (Ser133), cross with Phospho-ATF-1 (Ser63)
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CREB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic phosphopeptide corresponding to residues around Ser133 of human CREB.
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to residues around Ser133 of human CREB, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



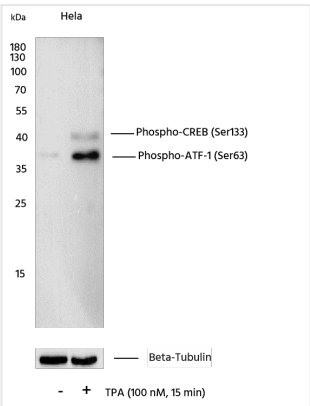
IHC (Immunohistochemistry)
Immunochemical staining of human Phospho-CREB (Ser133) in human thyroid cancer with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human Phospho-CREB (Ser133) in human breast carcinoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human Phospho-CREB (Ser133) in human renal carcinoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Western blot analysis of extracts from serum-starved HeLa, untreated (-) or treated with TPA (100 nM, 15 min; +), using Phospho-CREB (Ser133) Rabbit Polyclonal Antibody at 1:1000 dilution (upper) or Beta-Tubulin Loading Control Antibody, Mouse Mab (lower) at 1:20000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CREB1 antibody	CAMP responsive element binding protein 1, also known as CREB-1, plays multiple functions as a transcription factor in gene regulation. This protein is a CREB transcription factor that is a member of the leucine zipper family of DNA-binding proteins. CREB1 proteins are also known to be expressed in several spliced isoforms that act as transcriptional activators or repressors. The activator isoforms, possessing the functional domains for kinase induction and for interaction with other transcriptional regulators, act as transcriptional activators. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. CREB-1 has a complex influence on behavioural responses to drugs of abuse which varies depending on the brain region in which it is expressed. CREB-1 is important for serotonin (5-HT)-induced long-term facilitation (LTF) of the sensorimotor synapse in Aplysia.
Product Categories/Family for anti-CREB1 antibody	AKT Signaling Pathway
References	Sadamot. H. e. al. (2011). Direc. observatio. o. dimerizatio. betwee. differen. CREB. isoform. i. . livin. cell. PLo. One. . (6). e20285.Li. RY. e. al. (2011). Th. requiremen. fo. enhance. CREB. expressio. i. consolidatio. o. long-ter. synapti. facilitatio. an. long-ter. excitabilit. i. sensor. neuron. o. Aplysia. . Neurosci. 3. (18). 6871-9.Hoeffle. JP. e. al. (1988). Cycli. AMP-responsiv. DNA-bindin. protein. structur. base. o. . clone. placenta. cDNA. Science. 24. (4884). 1430-3.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.