

CREB Recombinant Antibody | CREB1 recombinant antibody

Phospho-CREB (Ser133) Antibody, Rabbit MAb

CATALOG # AAA27785	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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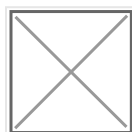
PRODUCT SYNONYMS

CREB; Monoclonal Recombinant Antibody; Phospho-CREB (Ser133) Antibody; Rabbit MAb; cAMP responsive element binding protein 1; Anti-CREB Antibody; Anti-CREB-1 Antibody; CREB1 recombinant antibody

PRODUCT SPECIFICATIONS

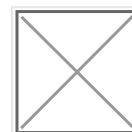
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	0049
Specificity	Reacts with: Human Phospho-CREB (Ser133), may cross with Phospho-ATF-1 (Ser63) by sequence similarity. Predicted to React with: Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus, Bovine, Pig, Goat
Purity/Purification	Protein A
Form/Format	Liquid; 10 mM sodium HEPES, 150 mM NaCl, 100ug/mL BSA, 50% glycerol, pH 7.5
Applicable Applications for CREB1 recombinant antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:10000-1:200000 IHC-P: 1:100-1:500
Immunogen	A synthetic phosphopeptide corresponding to residues around Ser133 of human CREB.
Preparation	This antibody was obtained from a rabbit immunized with a synthetic phosphopeptide corresponding to residues around Ser133 of human CREB.
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. Preservative-Free. 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.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from serum-starved Hela treated with TPA (100 nM, 15 min), using Phospho-CREB (Ser133) rabbit monoclonal Antibody (#AAA27785) at 1:10000, 1:100000, 1:500000 dilution.(Validation Experiment



WB (Western Blot)

Western blot analysis of extracts from serum-starved Hela, untreated (line A); treated with TPA (100 nM, 15 min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-CREB (Ser133) rabbit monoclonal Antibody (#AAA27785) at 1:200000 dilution.(Validation Experiment



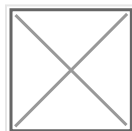
WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with TPA (100 nM, 15 min)(line B); treated with TPA and lambda-phosphatase (line C) using Phospho-CREB (Ser133) rabbit monoclonal Antibody (#AAA27785) at 1:200000 dilution.(Validation Experiment



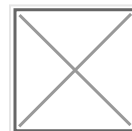
IHC (Immunohistochemistry-Paraffin)

Immunohistochemical analysis of paraffin-embedded human renal carcinoma, untreated (left) or lambda phosphatase-treated (right), using Phospho-CREB (Ser133) Antibody, Rabbit Monoclonal (#AAA27785) at 1:200 dilution.



IHC (Immunohistochemistry-Paraffin)

Immunohistochemical analysis of paraffin-embedded human lung cancer, untreated (left) or lambda phosphatase-treated (right), using Phospho-CREB (Ser133) Antibody, Rabbit Monoclonal (#AAA27785) at 1:200 dilution.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast cancer, untreated (left) or lambda phosphatase-treated (right), using Phospho-CREB (Ser133) Antibody, Rabbit Monoclonal (#AAA27785) at 1:200 dilution.

ADDITIONAL INFORMATION

Related Product Information for CREB1 recombinant 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 CREB1 recombinant 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/creb-recombinant-antibody-clone-0049-western-blot-immunohistochemistry-elisa/27785>