

Product Datasheet

CREB Antibody - BSA Free NBP1-90364

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-90364

CREB Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2), 40% Glycerol

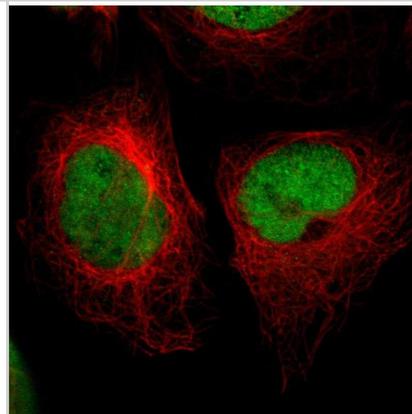
Product Description	
Description	Novus Biologicals Rabbit CREB Antibody - BSA Free (NBP1-90364) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-CREB Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1385
Gene Symbol	CREB1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: STIAESEDSDQESVDSVTDSQKRREILSRRPSYRKILNDLSSDAPGVPRIEEEKSE EETSAPAITTVTVPTPIYQTSSGQYIAITQGGAIQLANNGTDGVQG

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:50, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. See Simple Western Antibody Database for Simple Western validation: Tested in Human foreskin cell lysate, human epidermis lysate, separated by Size, antibody dilution of 1:50



Images

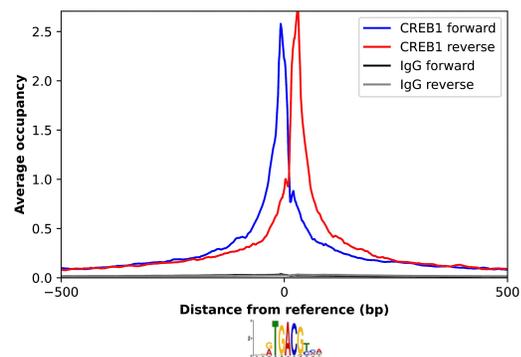
Staining of human cell line U-2 OS shows localization to nucleoplasm.



Immunohistochemistry-Paraffin: CREB Antibody [NBP1-90364] - Staining of human small intestine shows strong nuclear positivity in glandular cells.



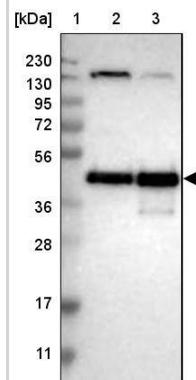
ChIP-Exo-Seq composite graph for Anti-CREB1 (NBP1-90364) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



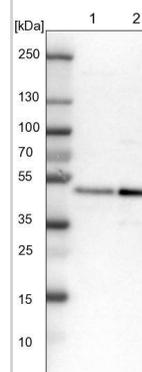
Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11

Lane 2: Human cell line RT-4

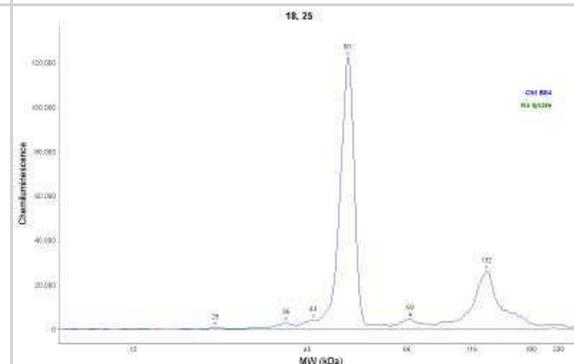
Lane 3: Human cell line U-251MG sp



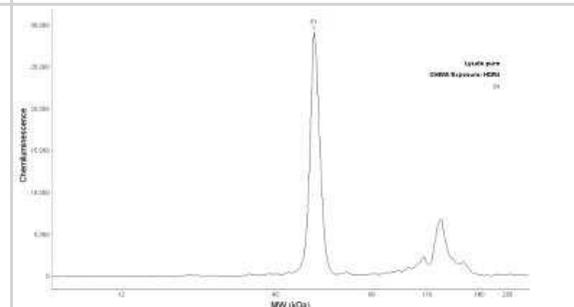
Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells)
Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)



Simple Western: CREB Antibody [NBP1-90364] - Human foreskin cell lysate. CREB antibody dilution of 1:50. Protein concentration is 750 ug/mL. Detection is chemiluminescence. Simple Western image submitted by a verified customer review.



Simple Western: CREB Antibody [NBP1-90364] - Detection of CREB by Simple Western (JESS) in reconstructed human epidermis lysate (about 600 ug/mL protein concentration). Antibody at 1:50. Simple Western image submitted by a verified customer review.



Publications

Kim JE, Lee DS, Park H et al. Inhibition of AKT/GSK3 β /CREB Pathway Improves the Responsiveness to AMPA Receptor Antagonists by Regulating GRIA1 Surface Expression in Chronic Epilepsy Rats *Biomedicines* 2021-04-14 [PMID: 33919872] (Western Blot, Human)

Kim JE, Lee DS, Park H, Kang TC Src/CK2/PTEN-Mediated GluN2B and CREB Dephosphorylations Regulate the Responsiveness to AMPA Receptor Antagonists in Chronic Epilepsy Rats *International journal of molecular sciences* 2020-12-17 [PMID: 33348808] (WB, Rat)

Bullen JW, Tchernyshyov I, Holewinski RJ et al. Protein kinase A-dependent phosphorylation stimulates the transcriptional activity of hypoxia-inducible factor 1 *Sci Signal* 2016-05-31 [PMID: 27245613] (WB, Human)



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Products Related to NBP1-90364

NBP1-90364PEP	CREB Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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