Product Datasheet

c-Fos Antibody - BSA Free
NBP2-50057

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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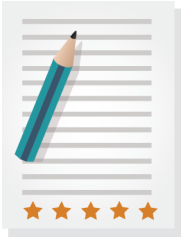
Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-50057

Updated 9/9/2025 v.20.1



NBP2-50057

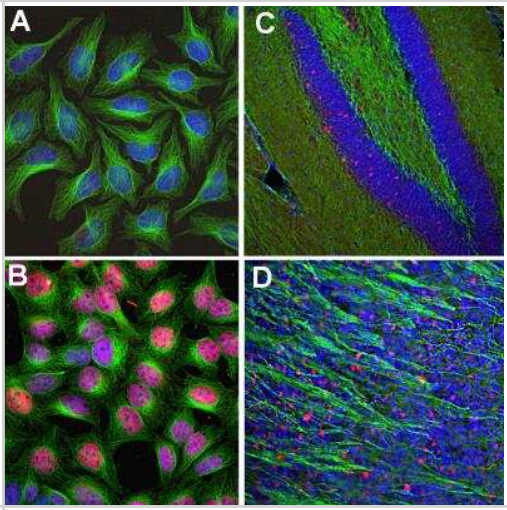
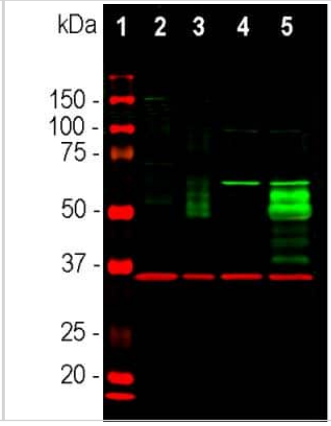
c-Fos Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	5mM Sodium Azide
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	50-65 kDa

Product Description	
Description	Novus Biologicals Rabbit c-Fos Antibody - BSA Free (NBP2-50057) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-c-Fos Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2353
Gene Symbol	FOS
Species	Human, Mouse, Rat
Immunogen	This c-Fos Antibody was developed against recombinant full length human c-Fos. [UniProt# P01100]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:1000 - 1:2000, Immunohistochemistry 1:20000-1:50000, Immunocytochemistry/ Immunofluorescence 1:5000-1:20000, Immunohistochemistry Free-Floating
Application Notes	In WB, this antibody recognizes bands with apparent molecular weights of 50-65 kDa, representing multiple forms of the c-Fos protein.

Images

Immunocytochemistry/Immunofluorescence: c-Fos Antibody [NBP2-50057] - Analysis of HeLa cells stained with rabbit pAb to c-FOS, NBP2-50057, dilution 1:5,000 in red, and mouse mAb to tubulin, dilution 1:10,000, in green. The blue is DAPI staining of nuclear DNA. HeLa cells were kept in fetal bovine serum (FBS) free media for 36 hours. Then the cells were treated with PBS (A), as a control, or stimulated with 20% FBS (B) for 30 min. c-FOS antibody labels only the nuclei of stimulated cells. Mouse hippocampus (C) or olfactory bulb sections (D) stained with NBP2-50057, dilution 1:20,000 in red, and mouse mAb to NF-L, dilution 1:5,000, in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. The c-FOS antibody stains only nuclei of spontaneously active neurons. NF-L is expressed in axons of neuronal cells.	
Western Blot: c-Fos Antibody [NBP2-50057] - Analysis of cell lysates using rabbit pAb to c-FOS, NBP2-50057, dilution 1:5,000, in green, and mouse mAb to GAPDH, dilution 1:5,000, in red, used as a loading control. [1] protein standard (red), [2] HeLa cells grown in FBS free media, [3] HeLa cells stimulated with 20% FBS for 2 hours after being in FBS free media for 36 hours, [4] rat cortical neurons, [5] rat cortical neurons treated with membrane depolarization buffer for 5 hours. Multiple bands at 50-65 kDa in stimulated or treated cell lysates, correspond to different isoforms of the c-FOS protein	

Publications

He Y, Ren Y, Chen X et al. Neural and molecular investigation into the paraventricular thalamus for chronic restraint stress induced depressive-like behaviors. Journal of advanced research 2024-10-22 [PMID: 39447640]

He Y, Wang Y, Yu H et al. Protective effect of Nr4a2 (Nurr1) against LPS-induced depressive-like behaviors via regulating activity of microglia and CamkII neurons in anterior cingulate cortex Pharmacological research 2023-03-21 [PMID: 36948326] (IHC-Fr, Mouse)

Details:
Dilution used in IHC-Fr 1:1000

Zhang Y, Zhang Y, Wang Y et al. Inhibition of glutamatergic trigeminal nucleus caudalis- vestibular nucleus projection neurons attenuates vestibular dysfunction in the chronic-NTG model of migraine The journal of headache and pain 2023-06-30 [PMID: 37386456] (IHC-Fr, Rat)

Details:
1:5000 IHC-Fr dilution

Wang Y, Dong L, Zhang Y et al. Activation of the microglial P2X7R/NLRP3 inflammasome mediates central sensitization in a mouse model of medication overuse headache Frontiers in molecular neuroscience 2023-06-12 [PMID: 37377770] (Immunohistochemistry, Mouse)

Dunn C, Sturdivant N, Venier S Et al. Blood-Brain Barrier Breakdown and Astrocyte Reactivity Evident in the Absence of Behavioral Changes after Repeated Traumatic Brain Injury Neurotrauma Rep 2021-12-13 [PMID: 34901939]

Jiang L, Zhang Y, Jing F et al. P2X7R-mediated Autophagic Impairment Contributes to Central Sensitization in a chronic Migraine Model with Recurrent Nitroglycerin Stimulation in Mice J Neuroinflammation 2021-01-06 [PMID: 33402188]

Li J, Sun X, You Y et al. Auts2 deletion involves in DG hypoplasia and social recognition deficit: The developmental and neural circuit mechanisms Science advances 2022-03-04 [PMID: 35235353] (IF/IHC, Mouse)

Tian Y, Chen X, Wang Y et al. Neuroinflammatory transcriptional signatures in the entorhinal cortex based on lipopolysaccharide-induced depression model in mice Biochemical and biophysical research communications 2021-12-17 [PMID: 34974298] (ICC/IF, Mouse)

Wen Q, Wang Y, Pan Q et al. MicroRNA-155-5p promotes neuroinflammation and central sensitization via inhibiting SIRT1 in a nitroglycerin-induced chronic migraine mouse model Journal of neuroinflammation 2021-12-10 [PMID: 34893074] (IF/IHC, WB, Mouse)

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Products Related to NBP2-50057

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
H00002353-P01-10ug	Recombinant Human c-Fos GST (N-Term) Protein

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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