

Product Datasheet

EFCBP2 Antibody - BSA Free

NBP1-84002

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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NBP1-84002

EFCBP2 Antibody - BSA Free

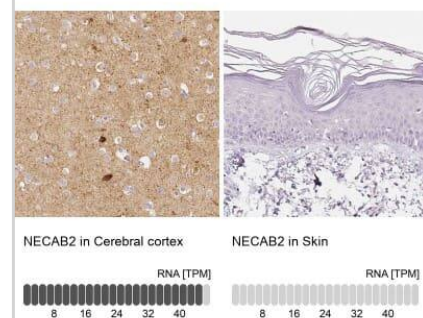
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	54550
Gene Symbol	NECAB2
Species	Human, Mouse
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VILDIFRRADKNDDGKLSLEEFQLFFADGVLNEKELEDLFHTIDSNTNHVDTKE LCDYFVDHMGDYEDVLASLETLNHSVLKAMGYTKKVYEGGSNVDQFVTRFLK ETANQIQSLLSSVESAVEAIEEQTSQL

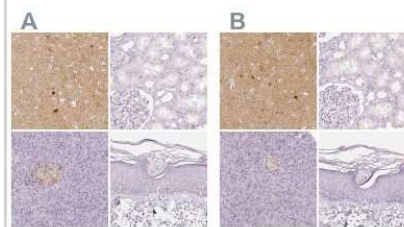
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

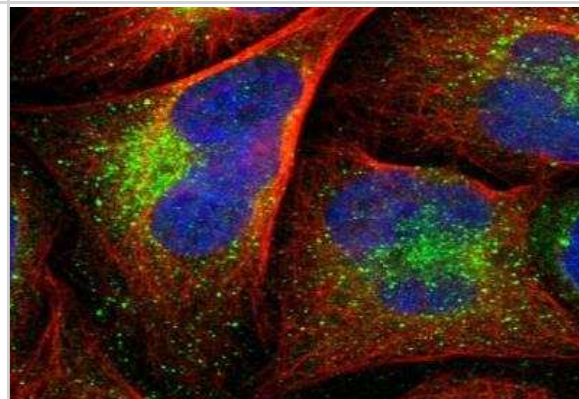
Immunohistochemistry-Paraffin: EFCBP2 Antibody [NBP1-84002] - Staining in human cerebral cortex and skin tissues using NBP1-84002 antibody. Corresponding NECAB2 RNA-seq data are presented for the same tissues.



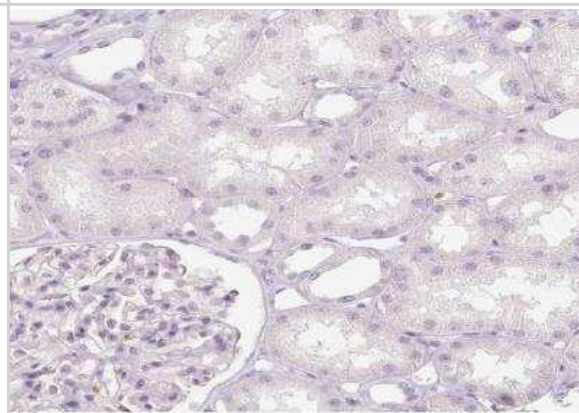
Immunohistochemistry-Paraffin: EFCBP2 Antibody [NBP1-84002] - Staining of human cerebral cortex, kidney, pancreas and skin using Anti-NECAB2 antibody NBP1-84002 (A) shows similar protein distribution across tissues to independent antibody NBP1-84001 (B).



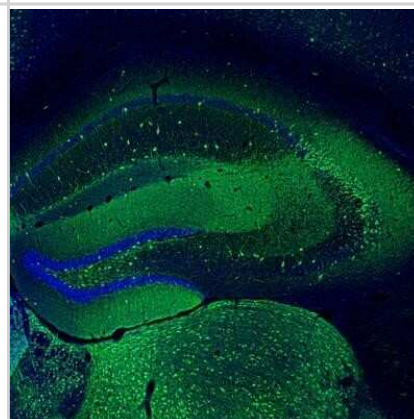
Immunocytochemistry/Immunofluorescence: EFCBP2 Antibody [NBP1-84002] - Staining of human cell line U-2 OS shows localization to vesicles.



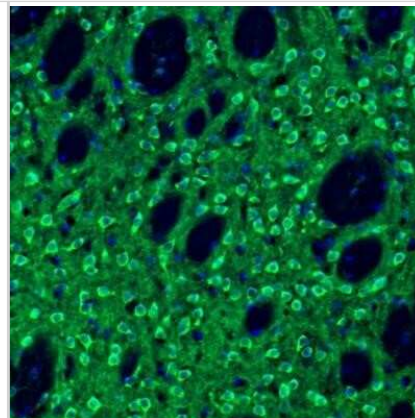
Immunohistochemistry-Paraffin: EFCBP2 Antibody [NBP1-84002] - Staining of human kidney shows no positivity in cells in tubules as expected.



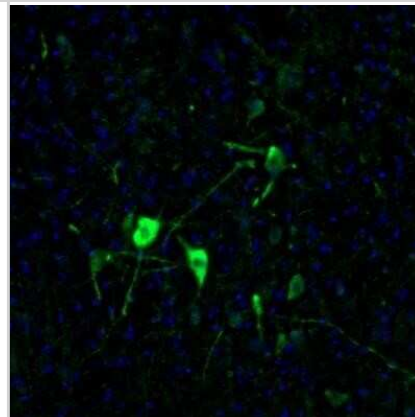
Immunohistochemistry: EFCBP2 Antibody [NBP1-84002] - Staining mouse hippocampus shows immunoreactivity in a subset of neurons.



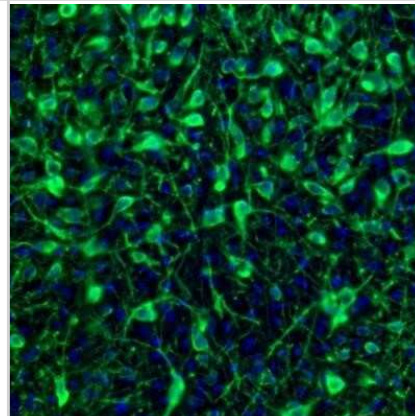
Immunohistochemistry: EFCBP2 Antibody [NBP1-84002] - Staining mouse caudate putamen shows immunoreactivity in medium spiny neurons and synapses.



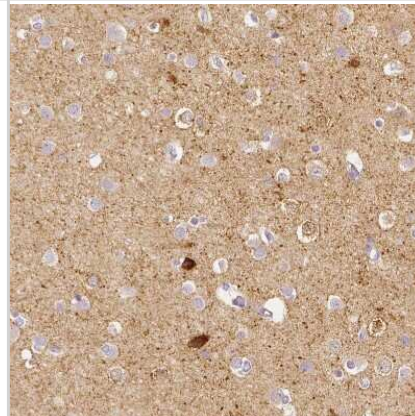
Immunohistochemistry: EFCBP2 Antibody [NBP1-84002] - Staining mouse facial nucleus shows distinct positivity in neuronal cell bodies and processes.



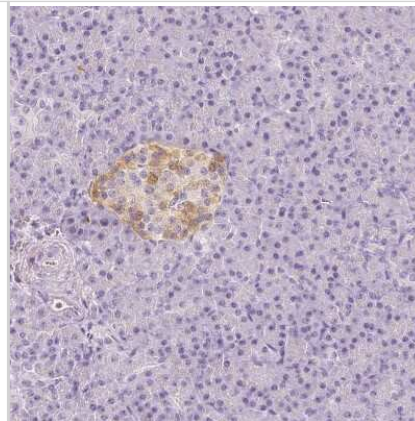
Immunohistochemistry: EFCBP2 Antibody [NBP1-84002] - Staining mouse midbrain shows neuronal positivity in dorsal raphe.



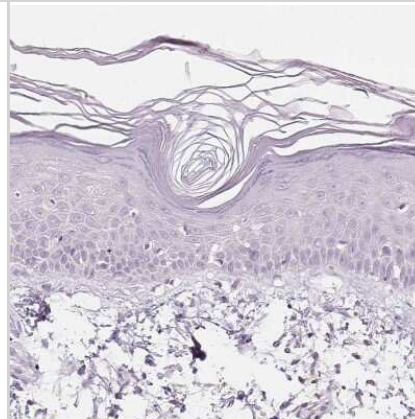
Immunohistochemistry-Paraffin: EFCBP2 Antibody [NBP1-84002] - Staining of human cerebral cortex shows moderate positivity in neuropil.



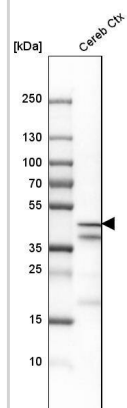
Immunohistochemistry-Paraffin: EFCBP2 Antibody [NBP1-84002] - Staining of human pancreas shows weak cytoplasmic positivity in islets of Langerhans.



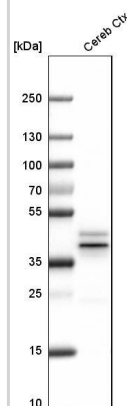
Immunohistochemistry-Paraffin: EFCBP2 Antibody [NBP1-84002] - Staining of human skin shows no positivity in squamous epithelial cells as expected.



Analysis in human cerebral cortex tissue.



Analysis in mouse cerebral cortex tissue.



Publications

Pannoni KE, Fischer QS, Tarannum R et al. The mitochondrial calcium uniporter is necessary for synaptic plasticity and proper mitochondrial morphology and distribution in the distal dendrites of CA2 neurons bioRxiv : the preprint server for biology 2023-11-11 [PMID: 37986798] (IHC, Mouse)

Dudek SM, Phoenix AN, Scappini E et al. Defining hippocampal area CA2 in the fox (*Vulpes vulpes*) brain Hippocampus 2023-06-01 [PMID: 37159095] (WB)

Laham BJ, Diethorn EJ, Gould E Newborn mice form lasting CA2-dependent memories of their mothers Cell reports 2021-01-26 [PMID: 33503421] (Mouse)

Farris S, Ward JM, Carstens KE et al. Hippocampal Subregions Express Distinct Dendritic Transcriptomes that Reveal Differences in Mitochondrial Function in CA2 Cell Rep 2019-10-08 [PMID: 31597108] (IHC-P, Mouse)

Zhang MD, Tortoriello G, Hsueh B et al. Neuronal calcium-binding proteins 1/2 localize to dorsal root ganglia and excitatory spinal neurons and are regulated by nerve injury. Proc Natl Acad Sci U S A 2014-03-25 [PMID: 24616509]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-84002

NBP1-84002PEP	EFCBP2 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

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