

Product Datasheet

EGR2 Antibody - BSA Free NB100-92327

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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NB100-92327

EGR2 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	1.0 mg/ml
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

Product Description

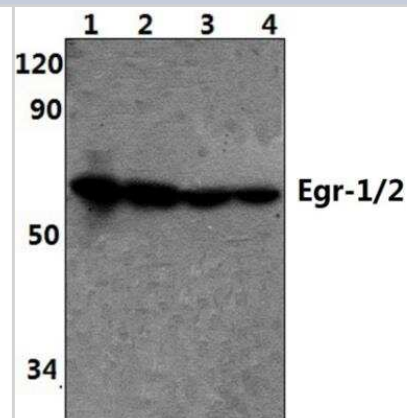
Host	Rabbit
Gene ID	1959
Gene Symbol	EGR2
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide made to an internal portion of the human EGR2 protein (between amino acids 370-420) [UniProt P11161].

Product Application Details

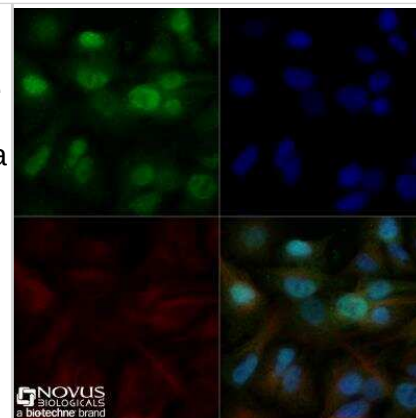
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 - 2 ug/ml, Immunohistochemistry 2 - 5 ug/ml, Immunocytochemistry/ Immunofluorescence 5 - 10 ug/ml, Immunohistochemistry-Paraffin 2 - 5 ug/ml
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

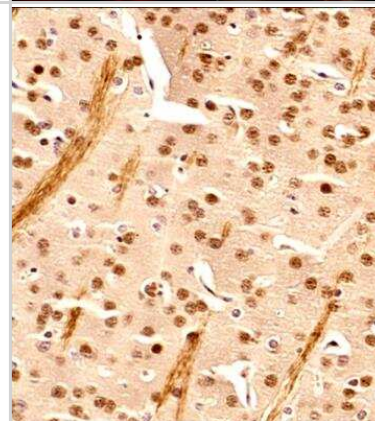
Western Blot: EGR2 Antibody [NB100-92327] - Analysis of pAb at 1:500 dilution Lane1:HEK293T whole cell lysate(40ug) Lane2:PC12 whole cell lysate(40ug) Lane3:NIH-3T3 whole cell lysate(40ug) Lane3:Jurkat whole cell lysate(40ug)



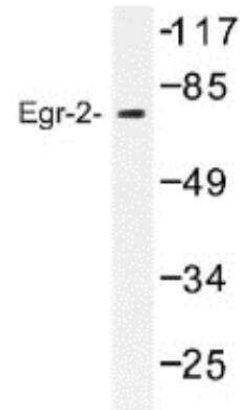
Immunocytochemistry/Immunofluorescence: EGR2 Antibody [NB100-92327] - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-EGR2 at 5ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



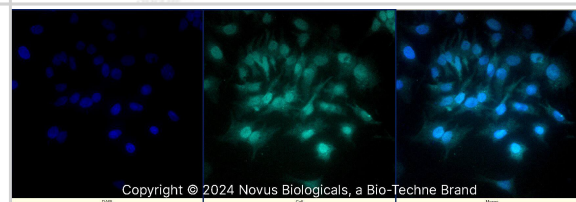
Immunohistochemistry-Paraffin: EGR2 Antibody [NB100-92327] - IHC analysis of a formalin fixed and paraffin embedded tissue section of mouse brain using EGR2 antibody at 1:200 dilution. The signal was detected using HRP-conjugated anti-rabbit secondary antibody and DAB based detection reagent, and the sections were further counterstained with hematoxylin. This EGR2 antibody generated primarily a nuclear staining signal in the neurons and the glial cells, however, some cytoplasmic staining was also observed. The cytoplasmic signal potentially represents the translational or 14-3-3sigma interacting cytoplasmic pool of EGR2.



Western Blot: EGR2 Antibody [NB100-92327] - Egr-2 Antibody in extracts from HUVEC cells.



ERG2 was detected in immersion fixed Hep G2 human hepatocellular carcinoma cell line using Rabbit anti-ERG2 Affinity Purified Polyclonal Antibody conjugated to Alexa Fluor® 647 (Catalog # NB100-92327AF647) (light blue) at 10 µg/mL overnight at 4C. Cells were stained counterstained with DAPI (blue). Cells were imaged using a 40X objective.



Publications

Xiao M, Zhang Y, Feng W et al. Early growth response 2 regulates mouse cooperative behavior Research Square 2020-12-02 (ICC/IF, Mouse)

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Products Related to NB100-92327

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB110-59723PEP	EGR2 Antibody Blocking Peptide

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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