

Datasheet for ABIN724430
anti-NGFB antibody (AA 151-220)

3 Images

6 Publications

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NGFB
Binding Specificity:	AA 151-220
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGFB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NGF beta
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	NGFB
---------	------

Target Details

Alternative Name:	NGF beta (NGFB Products)
Background:	Synonyms: NGFB, HSN5, Beta-NGF, Beta-nerve growth factor, NGF Background: Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI (PubMed:20164177).
Gene ID:	4803
UniProt:	P01138
Pathways:	NF-kappaB Signaling , RTK Signaling , Regulation of Cell Size

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

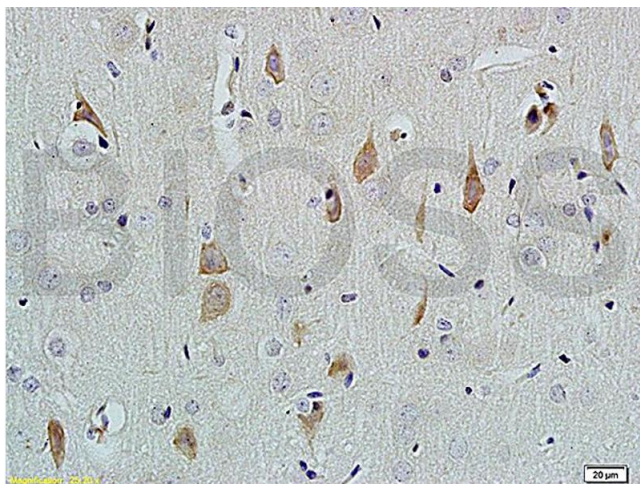
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

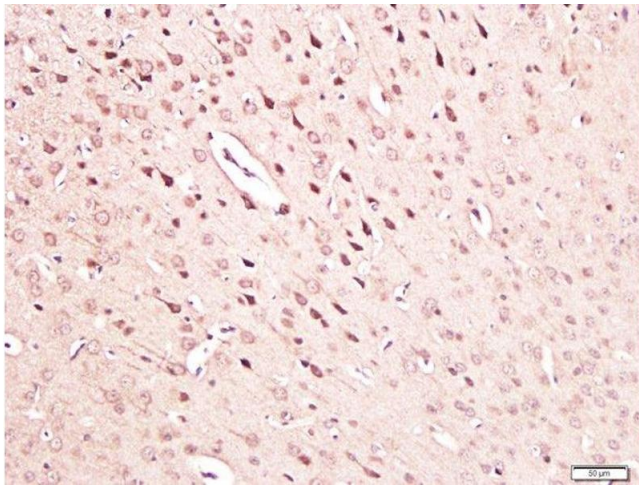
- Product cited in:
- Shu, Huang, Zeng, He, Luo, Liu, Li, Xu: "Connexin 43 is involved in the sympathetic atrial fibrillation in canine and canine atrial myocytes." in: **Anatolian journal of cardiology**, Vol. 18, Issue 1, pp. 3-9, (2019) ([PubMed](#)).
- Lu, Sun, Zhou, Zhang, Ma, Tang: "Effect of Low-level Vagus Nerve Stimulation on Cardiac Remodeling in a Rapid Atrial Pacing-induced Canine Model of Atrial Fibrillation." in: **Journal of cardiovascular pharmacology**, Vol. 67, Issue 3, pp. 218-24, (2016) ([PubMed](#)).
- Zhang, Zhang, Liang, Wang, Zheng, Wang: "Choline supplementation alleviates fluoride-induced testicular toxicity by restoring the NGF and MEK expression in mice." in: **Toxicology and applied pharmacology**, Vol. 310, pp. 205-214, (2016) ([PubMed](#)).
- Li, Gao, Ma, Jiang, Miao, Jiang, Fan, Wang, Wu, Liu, Wang, Lui, Yuan: "Therapeutic potential of in utero mesenchymal stem cell (MSCs) transplantation in rat fetuses with spina bifida aperta." in: **Journal of cellular and molecular medicine**, Vol. 16, Issue 7, pp. 1606-17, (2012) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)

Images



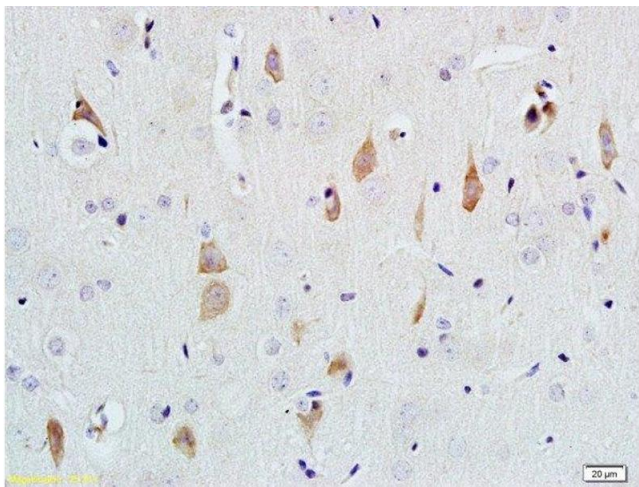
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Rabbit Anti-NGF-beta Polyclonal Antibody (ABIN724430) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded mouse brain tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-NGF Polyclonal Antibody, Unconjugated at 1:300 overnight at 4°C, followed by a conjugated secondary and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded rat brain tissue labeled with Rabbit Anti-NGF-beta Polyclonal Antibody at 1:200 followed by conjugation to the secondary antibody and DAB staining.