Product Datasheet

Angiogenin Antibody - BSA Free
NBP2-41185

Unit Size: 0.1 mg

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

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Publications: 1

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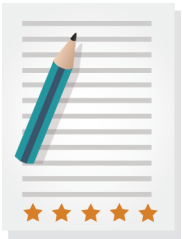
Updated 10/23/2024 v.20.1



NBP2-41185

Angiogenin Antibody - BSA Free

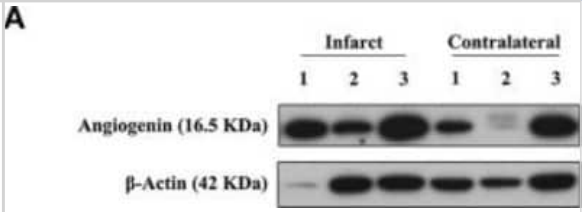
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	16 kDa

Product Description	
Host	Rabbit
Gene ID	283
Gene Symbol	ANG
Species	Human, Mouse, Rat
Specificity/Sensitivity	Two alternatively spliced transcript variants have been observed.
Immunogen	Antibody was raised against a 15 amino acid synthetic peptide near the center of human ANG. The immunogen is located within amino acids 70 - 120 of ANG. Amino Acid Squence: NKNGNPHRENLRISKS

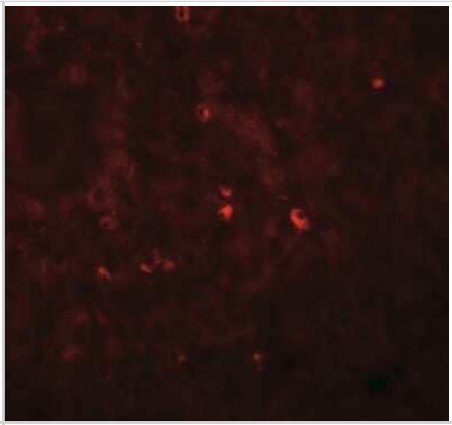
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 - 2 ug/mL, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 20 ug/ml
Application Notes	Use in IHC reported in scientific literature (PMID: 30008694).

Images

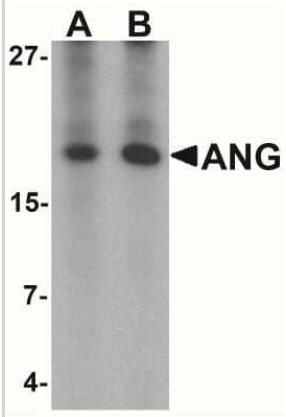
Western Blot: Angiogenin Antibody [NBP2-41185] - Angiogenin and EPCs modulation after human stroke and rehabilitation. (A) Infarct tissue and contralateral brain homogenates (less than or equal 4 days) were analyzed by western blot for angiogenin (n = 3). The densitometry results (arbitrary units) were corrected by the actin load and bar graph showing the angiogenin fold-change of the ipsilateral vs. contralateral signal. Image collected and cropped by CiteAb from the following publication (//www.frontiersin.org/article/10.3389/fneur.2018.00508/full) licensed under a CC-BY license.



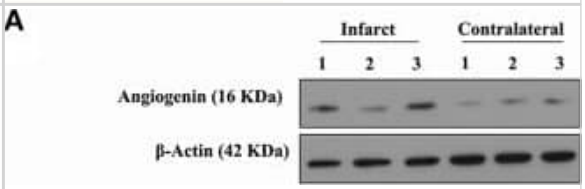
Immunocytochemistry/Immunofluorescence: Angiogenin Antibody [NBP2-41185] - Human liver tissue with ANG antibody at 20 ug/mL.



Western Blot: Angiogenin Antibody [NBP2-41185] - Analysis of ANG in rat liver tissue lysate with Ang antibody at (A) 1 and (B) 2 ug/mL.



Western Blot: Angiogenin Antibody - BSA Free [NBP2-41185] - Angiogenin & EPCs modulation after mouse cerebral ischemia & rehabilitation. (A) Infarct & contralateral mouse brain cortical homogenates were analyzed by western blot to quantify angiogenin protein (n = 3). The densitometry results (arbitrary units) were corrected by the actin load & are represented as fold-change of the ipsilateral vs. contralateral signal. (B) Bar graphs representing the angiogenin RNA expression in the ischemic & contralateral cortex in the short-term (n = 6–9) & long-term rehabilitation groups (n = 5), **p < 0.01, *p < 0.05 as indicated by horizontal lines. Non-RHB ipsilateral short-term vs. long-term; &p < 0.05. Pasta Matrix & Treadmill contralateral short-term vs. long-term; †p < 0.05. (C) Bar graphs showing the percentage of the Angiogenin+ area in the pasta matrix long-term rehabilitation group (n = 6) together with images of representative brains with inserts showing co-localization of angiogenin in neurons: scale bar represents 100 µm. *p < 0.05. (D) Graph showing the plasma angiogenin temporal profile of No-RHB, Pasta matrix, & Treadmill groups (n = 3–4/group); *p < 0.05. (E) Box plots representing the cell density of EPCs from the three different RHB groups (n = 3–5 short-term; n = 6–7 long-term) & representative images of the primary cultures; scale bar represents 250 µm. Data are represented as the mean ± SEM or as box plots indicating the median (IQR). IP, ipsilateral; CL, contralateral; ST-R, short-term rehabilitation; LT-R, long-term rehabilitation; No-RHB, No-Rehabilitation; EPC, endothelial progenitor cells. Image collected & cropped by CiteAb from the following publication (https://www.frontiersin.org/article/10.3389/fneur.2018.00508/full), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Gabriel-Salazar M, Morancho A, Rodriguez S et al. Importance of Angiogenin and Endothelial Progenitor Cells After Rehabilitation Both in Ischemic Stroke Patients and in a Mouse Model of Cerebral Ischemia. Front Neurol. 2018-06-29 [PMID: 30008694] (IF/IHC, WB, Human)

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Products Related to NBP2-41185

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-21287PEP	Angiogenin Recombinant Protein Antigen

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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