

Product Datasheet

AGTR-1 Antibody - BSA Free

NBP1-77078

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 10

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-77078

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-77078



NBP1-77078

AGTR-1 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	41 kDa

Product Description

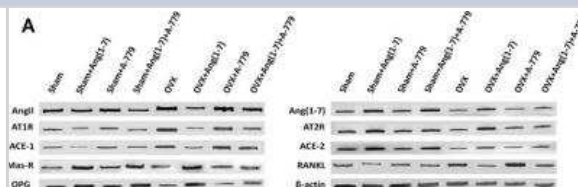
Description	Novus Biologicals Rabbit AGTR-1 Antibody - BSA Free (NBP1-77078) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-AGTR-1 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	185
Gene Symbol	AGTR1
Species	Human, Mouse, Rat, Rabbit
Reactivity Notes	Use in Rabbit reported in scientific literature (PMID:35372645).Immunogen displays the following percentage of sequence identity for non-tested species: Chicken (81%).
Immunogen	Antibody was raised against a 16 amino acid synthetic peptide from near the center of human AGTR1. The immunogen is located within amino acids 210 - 260 of AGTR1. Amino Acid Sequence: KKAYEIQKNKPRNDDI

Product Application Details

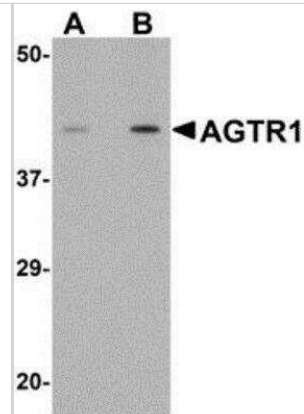
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/ml

Images

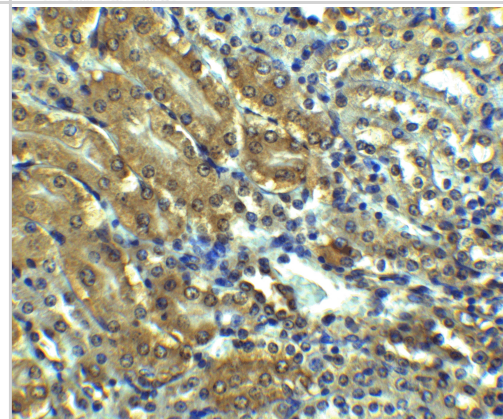
Western Blot: AGTR-1 Antibody [NBP1-77078] - Effects of Ang(1-7) and/or A-779 treatments to the sham and OVX animals for 6 weeks on the expressions of RAS different proteins and osteoclastogenesis modulating factors in the femoral bone heads. Western blot analysis bands showing the expressions of AngII, Ang(1-7), AT1R, AT2R, ACE, ACE-2, MasR, RANKL and OPG. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-017-02570-x>) licensed under a CC-BY license.



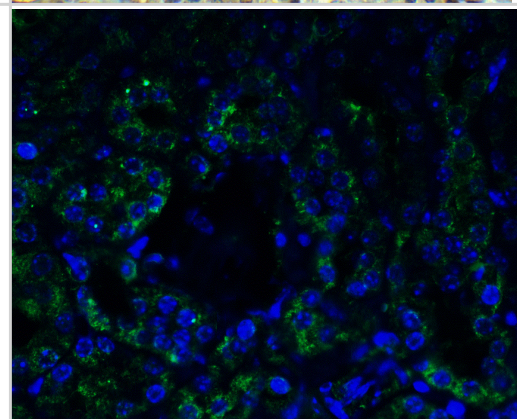
Western Blot: AGTR-1 Antibody [NBP1-77078] - Mouse kidney tissue lysate with Angiotensin II Type 1 Receptor antibody at (A) 1 and (B) 2 ug/ml.



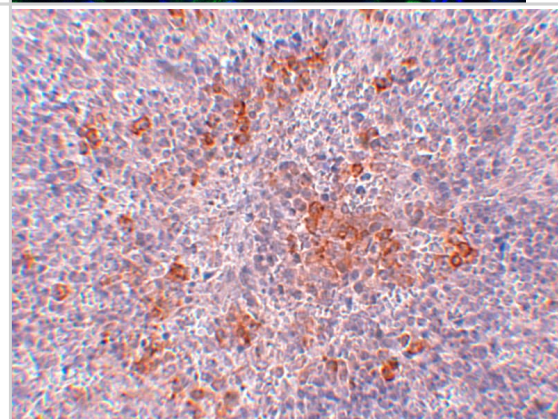
Immunohistochemistry: AGTR-1 Antibody - BSA Free [NBP1-77078] - Immunohistochemistry of AGTR-1 in mouse kidney tissue with AGTR-1 antibody at 2.5 ug/ml.



Immunocytochemistry/ Immunofluorescence: AGTR-1 Antibody - BSA Free [NBP1-77078] - Immunofluorescence of AGTR-1 in Mouse Kidney cells with AGTR-1 antibody at 5 ug/mL.



Immunohistochemistry: AGTR-1 Antibody - BSA Free [NBP1-77078] - Immunohistochemistry of AGTR-1 in mouse kidney tissue with AGTR-1 antibody at 2.5 ug/mL.



Publications

- Abuhashish HM, Ahmed MM, Sabry D et al. Angiotensin (1-7) ameliorates the structural and biochemical alterations of ovariectomy-induced osteoporosis in rats via activation of ACE-2/Mas receptor axis. *Sci Rep* 2017-05-23 [PMID: 28536469]
- Deng Z, Gao X, Utsunomiya H et al. Effects of oral losartan administration on homeostasis of articular cartilage and bone in a rabbit model *Bone Reports* 2022-06-01 [PMID: 35372645] (IF/IHC, Rabbit)
- Saez T, Spaans F, Kirschenman R et al. High-cholesterol diet during pregnancy induces maternal vascular dysfunction in mice: potential role for oxidized LDL-induced LOX-1 and AT1 receptor activation *Clin. Sci.* 2020-09-18 [PMID: 32856035]
- Zhang XB, Cai JH, Yang YY et al. Telmisartan attenuates kidney apoptosis and autophagy-related protein expression levels in an intermittent hypoxia mouse model. *Sleep Breath* 2018-09-15 [PMID: 30219962] (WB, Mouse)
- Jang IA, Kim EN, Lim JH et al. Effects of Resveratrol on the Renin-Angiotensin System in the Aging Kidney. *Biochem. Pharmacol.* 2018-11-16 [PMID: 30424556]
- Abuhashish HM, Ahmed MM, Sabry D et al. ACE-2/Ang1-7/Mas cascade mediates ACE inhibitor, captopril, protective effects in estrogen-deficient osteoporotic rats. *Biomed. Pharmacother.* 2017-05-19 [PMID: 28531801]
- Baker DJ, Childs BG, Durik M et al. Naturally occurring p16(Ink4a)-positive cells shorten healthy lifespan *Nature* 2016-02-11 [PMID: 26840489] (IHC-P, Mouse)
- Tsubakimoto Y, Yamada H, Yokoi H et al. Bone marrow angiotensin AT1 receptor regulates differentiation of monocyte lineage progenitors from hematopoietic stem cells. *Arterioscler. Thromb. Vasc. Biol.* 29:1529-36. 2009-01-01 [PMID: 19628784]
- Mottl AK, Shoham DA, North KE. Angiotensin II type 1 receptor polymorphisms and susceptibility to hypertension: A HuGE review. *Gen. in Med.* 10:560-574. 2008-01-01 [PMID: 18641512]
- Miyazaki Y Ichikawa I. Role of the angiotensin receptor in the development of the mammalian kidney and urinary tract. *Comp. Biochem. Physiol. A Mol. Integr. Physiol.* 128:89-97. 2001-01-01 [PMID: 11137441]



**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 NBP1-77078

NBP1-77078PEP	AGTR-1 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-77078

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

