

AGTRAP Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant AGTRAP.

Catalog # AT1069a

Product Information

Application	WB, IHC, E
Primary Accession	Q6RW13
Other Accession	NM_020350
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1G2
Calculated MW	17419

Additional Information

Gene ID	57085
Other Names	Type-1 angiotensin II receptor-associated protein, AT1 receptor-associated protein, AGTRAP, ATRAP
Target/Specificity	AGTRAP (NP_065083, 108 a.a. ~ 159 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	AGTRAP Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

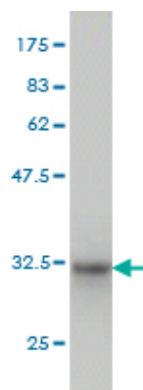
This gene encodes a transmembrane protein localized to the plasma membrane and perinuclear vesicular structures. The gene product interacts with the angiotensin II type I receptor and negatively regulates angiotensin II signaling. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms.

References

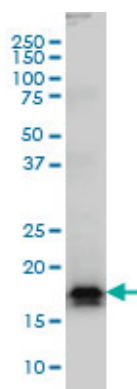
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes

Care, 2010 Jul 13. PMID 20628086. The small GTPase Ral couples the angiotensin II type 1 receptor to the activation of phospholipase C-delta 1. Godin CM, et al. Mol Pharmacol, 2010 Mar. PMID 20018811. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Influence of endogenous angiotensin II on control of sympathetic nerve activity in human dehydration. Rabbitts JA, et al. J Physiol, 2009 Nov 15. PMID 19805740. Genome-wide association study identifies eight loci associated with blood pressure. Newton-Cheh C, et al. Nat Genet, 2009 Jun. PMID 19430483.

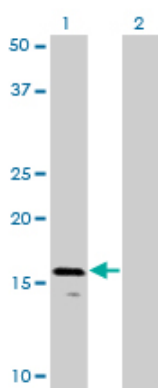
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.46 KDa) .

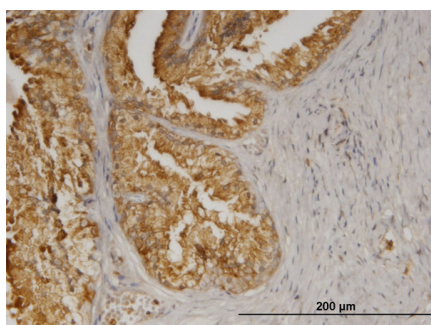


AGTRAP monoclonal antibody (M02), clone 1G2 Western Blot analysis of AGTRAP expression in Hela S3 NE ((Cat # AT1069a)

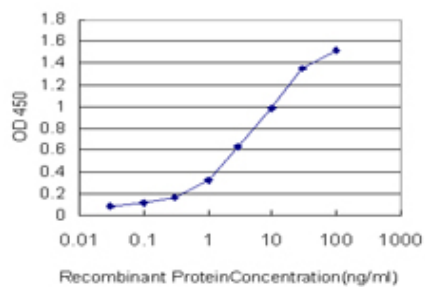


Western Blot analysis of AGTRAP expression in transfected 293T cell line by AGTRAP monoclonal antibody (M02), clone 1G2.

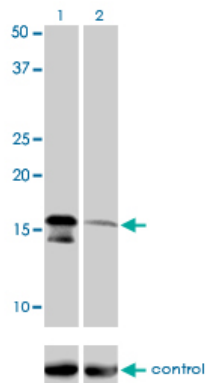
Lane 1: AGTRAP transfected lysate (16.7 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to AGTRAP on formalin-fixed paraffin-embedded human prostate. [antibody concentration 0.8 ug/ml]



Detection limit for recombinant GST tagged AGTRAP is approximately 0.1ng/ml as a capture antibody.



Western blot analysis of AGTRAP over-expressed 293 cell line, cotransfected with AGTRAP Validated Chimera RNAi (Cat # AT1069a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.