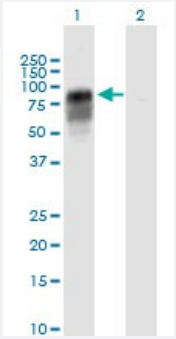
DNAxPAb | Hard-to-Find Antibody

NPR2 DNAxPab

Catalog # H00004882-W01P Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NPR2 expression in transfected 293T cell line by NPR2 DNAxPab polyclonal antibody.

Lane 1: NPR2 transfected lysate(68.97 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human NPR2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	NPR2 (AAH96341.1, 23 a.a. ~ 457 a.a) partial-length human DNA
Sequence	RNLTLAVVLPEHNLSYAWAWPRVGPAVALAVEALGRALPVDLRFVSSELEGACSEYLAPLSAVD LKLYHDPDLLLGPGCVYPAASVARFASHWRLPLLTAGAVASGFSAKNDHYRTLVRTGPSAPKLG EFVVTLHGHFNWTARAALLYLDARTDDRPHYFTIEGVFEALQGSNLSVQHQVYAREPGGPEQATH FIRANGRIVYICGPLEMLHEILLQAQRENLTNGDYVFFYLDVFGESLRAGPTRATGRPWQDNRTRE QAQALREAFQTVLVITYREPPNPEYQEFQNRLLIRAREDFGVELGPSLMNLIAGCFYDGILLYAEVL NETIQEGGTREDGLRIVEKMQGRRYHGVTGLVVMDKNNDRETDFVLWAMGDLDSGDFQPAAHY SGAEKQIWWTGRPIPWVKGAPPSDNPPCAFDLDDPSCDKTPLSTLA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — NPR2

Entrez GeneID	4882
GeneBank Accession#	BC096341.1
Protein Accession#	AAH96341.1
Gene Name	NPR2
Gene Alias	AMDM, ANPRB, GUC2B, GUCY2B, NPRB, NPRBi
Gene Description	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)
Omim ID	108961 602875
Gene Ontology	Hyperlink
Gene Summary	This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, a helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type. [provided by RefSeq

Other Designations	OTTHUMP00000021345|OTTHUMP00000045390|atrial natriuretic peptide B-type receptor|guanylate cyclase B|natriuretic peptide receptor B

Pathway

- Purine metabolism
- Vascular smooth muscle contraction

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Mental Disorders
- Myocardial Infarction
- Ventricular Dysfunction