

Mouse anti-Human NPRB / NPR2 Monoclonal Antibody | anti-NPRB antibody

Mouse Monoclonal [clone 1E4] (IgG2b,k) to Human NPRB / NPR2

CATALOG # AAA51932	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

NPRB / NPR2; Monoclonal Antibody; Mouse Monoclonal [clone 1E4] (IgG2b; k) to Human NPRB / NPR2; Anti-NPRB / NPR2 Antibody (clone 1E4) IHC-plus; NPR2; ANPRB; AMDM; ANP-B; ANPR-B; ANPb; Guanylate cyclase B; GUCY2B; GC-B; GUC2B; Natriuretic peptide receptor B; NPR-B; NPRB; Natriuretic peptide receptor 2; NPRBi; Human NPRB; anti-NPRB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1E4
Specificity	Human NPR2
Purity/Purification	Protein A Purified
Form/Format	PBS, pH 7.4. Sourced in Ascites.
Concentration	0.4 mg/ml (varies by lot)
Sequence Length	1047
Applicable Applications for anti-NPRB antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	NPR2 (-, 131 a.a. ~ 231 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen	NPRB / NPR2 antibody was raised against nPR2 (-, 131 a.a. ~ 231 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



ELISA

Detection limit for recombinant GST tagged NPR2 is 3 ng/ml as a capture antibody.



IHC (Immunohistochemistry)

Anti-NPR2 antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NPRB antibody	NPR2 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, an intracellularly a protein kinase homology domain, an helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain.
Product Categories/Family for anti-NPRB antibody	Family: Protein Kinase; Subfamily: Receptor guanylate cyclase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4580422
NCBI GeneID	4882
NCBI Accession #	NP_003986.2
NCBI GenBank Nucleotide #	NM_003995.3
UniProt Accession #	P20594; O60871; Q4VAK7; Q5TCV2; Q8TA93; Q9UQ50; B0ZBF2; B0ZBF3; D3DRP3; D3DRP4
Molecular Weight	111,208 Da
NCBI Official Full Name	atrial natriuretic peptide receptor 2
NCBI Official Synonym Full Names	natriuretic peptide receptor 2
NCBI Official Symbol	NPR2
NCBI Official Synonym Symbols	AMDM; ANPb; ECDM; NPRB; ANPRB; GUC2B; NPRBi; GUCY2B
NCBI Protein Information	atrial natriuretic peptide receptor 2; GC-B; ANP-B; NPR-B; ANPR-B; guanylate cyclase B; atrial natriuretic peptide B-type receptor; atrial natriuretic peptide receptor type B; natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)
UniProt Protein Name	Atrial natriuretic peptide receptor 2
UniProt Gene Name	NPR2
UniProt Synonym Gene Names	ANPRB; ANP-B; ANPR-B; NPR-B; GC-B
UniProt Entry Name	ANPRB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.