

Mouse NPR3 Monoclonal Antibody | anti-NPR3 antibody

NPR3 antibody

CATALOG # AAA107421	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
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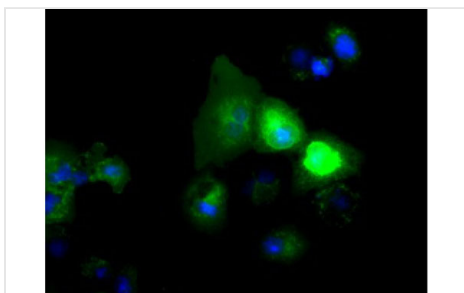
PRODUCT SYNONYMS

NPR3; Monoclonal Antibody; NPR3 antibody; Monoclonal NPR3; Anti-NPR3; Natriuretic peptide receptor C; Guanylate cyclase C; Atrionatriuretic peptide receptor C; GUCY2B; ANPR-C; NPR 3; NPR-3; anti-NPR3 antibody

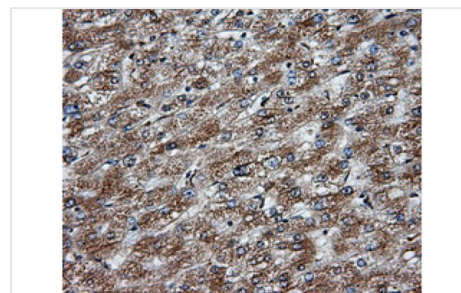
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	11H6
Purity/Purification	NPR3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	540
Applicable Applications for anti-NPR3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	The family of natriuretic peptides elicit a number of vascular, renal, and endocrine effects that are important in the maintenance of blood pressure and extracellular fluid volume. These effects are mediated by specific binding of the peptides to cell surface receptors in the vasculature, kidney, adrenal, and brain.
Cross-Reactivity	Human
Immunogen	NPR3 antibody was raised in mouse using a full length recombinant protein of human NPR3 (NP_000899) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

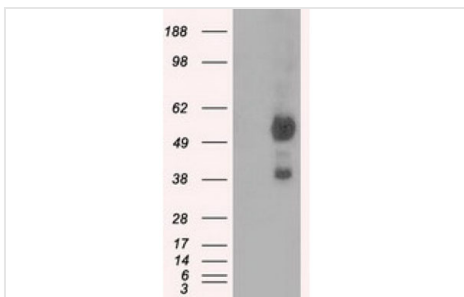
IMAGES


IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant NPR3 protein using NPR3 antibody


IHC (Immunohistochemistry)

Immunohistochemical analysis of NPR3 protein in paraffin embedded Human liver tissue using NPR3 antibody



WB (Western Blot)
 Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NPR3 protein (Right) or empty vector (Left) detected with NPR3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NPR3 antibody	Mouse monoclonal NPR3 antibody
Product Categories/Family for anti-NPR3 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505441
NCBI GeneID	4883
NCBI Accession #	NP_000899
NCBI GenBank Nucleotide #	NM_000908.3
UniProt Accession #	P17342 ; A2RRD1 ; B4DT84 ; E7EPG9
Molecular Weight	36,656 Da
NCBI Official Full Name	atrial natriuretic peptide receptor 3 isoform 2
NCBI Official Synonym Full Names	natriuretic peptide receptor 3
NCBI Official Symbol	NPR3
NCBI Official Synonym Symbols	NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; GUCY2B; C5orf23
NCBI Protein Information	atrial natriuretic peptide receptor 3
UniProt Protein Name	Atrial natriuretic peptide receptor 3
UniProt Gene Name	NPR3
UniProt Synonym Gene Names	ANPRC; C5orf23; NPRC; ANP-C; ANPR-C; NPR-C
UniProt Entry Name	ANPRC_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.