

Datasheet

NPR2 monoclonal antibody (M01), clone 2A6

Catalog Number: H00004882-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant NPR2.

Clone Name: 2A6

Immunogen: NPR2 (NP_003986.2, 131 a.a. ~ 230 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

AKNDHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAA
LLYLDARTDDRPHYFTIEGVFEALQGSNLSVQHQQVYA
REPGGPEQATHFIRANGRIVYICGPL

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4882

Gene Symbol: NPR2

Gene Alias: AMDM, ANPRB, GUC2B, GUCY2B, NPRB, NPRBi

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]