



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## NPR2 monoclonal antibody (M01), clone 2A6

Catalog # : H00004882-M01

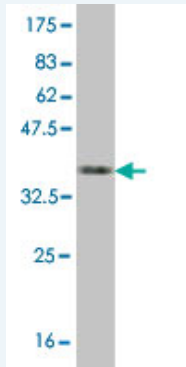
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant NPR2.
<b>Immunogen:</b>	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.
<b>Sequence:</b>	AKNDHYRTLVRTGPSAPKLGEFVVTLHGHNWTARAALLYLDARTDDR PHYFTIEGVFEALQGSNLSVQHQQVYAREPGGPEQATHFIRANGRIVYICG PL
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

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

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

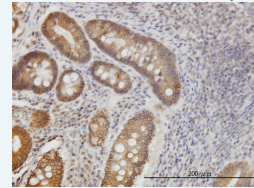
[Protocol Download](#)

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)**

### Application Image

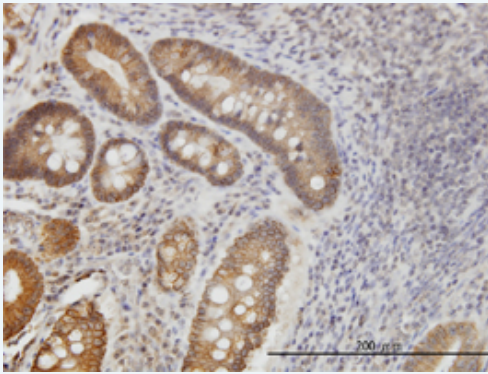
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



[enlarge](#)

ELISA



[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to NPR2 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

 [Protocol Download](#)

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## ELISA

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## Gene Information

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**Entrez GeneID:** [4882](#)

**GeneBank** [NM\\_003995.3](#)

**Accession#:**

**Protein** [NP\\_003986.2](#)

**Accession#:**

**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

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## Gene Pathway

[Purine metabolism](#) [Vascular smooth muscle contraction](#)

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## Related Disease

[Cardiovascular Diseases](#) [Diabetes Mellitus, Type 2](#) [Edema](#)  
[Genetic Predisposition to Disease](#) [Hypertension](#) [Mental Disorders](#) [Myocardial Infarction](#)  
[Ventricular Dysfunction](#)

