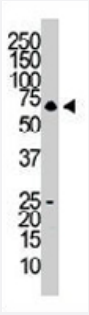
NPR3 polyclonal antibody

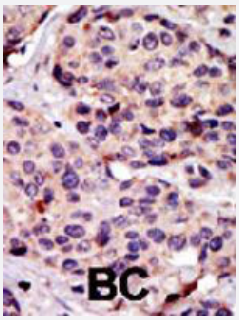
Catalog # PAB3331 Size 200 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of NPR3 polyclonal antibody (Cat # PAB3331) in HL-60 cell lysate. NPR3 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with NPR3 polyclonal antibody (Cat # PAB3331) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NPR3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human NPR3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunofluorescence (1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunofluorescence

Gene Info — NPR3

Entrez GeneID	4883
Protein Accession#	P17342 (Precursor)
Gene Name	NPR3
Gene Alias	ANPRC, GUCY2B, NPRC
Gene Description	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)
Omim ID	108962
Gene Ontology	Hyperlink

Gene Summary	The family of natriuretic peptides (see MIM 108780) 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.[supplied by OMIM
Other Designations	-

Publication Reference

- Isolation and functional expression of the human atrial natriuretic peptide clearance receptor cDNA.

  Porter JG, Arfsten A, Fuller F, Miller JA, Gregory LC, Lewicki JA.

  Biochemical and Biophysical Research Communications 1990 Sep; 171(2):796.

- cDNA sequence of the human atrial natriuretic peptide clearance receptor.

  Lowe DG, Camerato TR, Goeddel DV.

  Nucleic Acids Research 1990 Jun; 18(11):3412.

Disease

- Brain Ischemia
- Cardiovascular Diseases
- Cerebrovascular Accident
- Diabetes Mellitus
- Edema
- Genetic Diseases
- Genetic Predisposition to Disease
- Hypertension
- Mental Disorders
- Obesity
- Recurrence
- Tobacco Use Disorder

- Ventricular Dysfunction