

Product datasheet for **TA351444**

Natriuretic Peptide Receptor B (NPR2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse liver tissue IHC: 50-200 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human NPR2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	117 kDa
Gene Name:	natriuretic peptide receptor 2
Database Link:	NP_003986 Entrez Gene 4882 Human P20594



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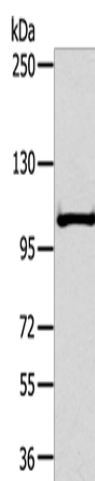
Background: This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, 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.

Synonyms: AMDM; ANPb; ANPRB; ECDM; GUC2B; GUCY2B; NPRB; NPRBi; SNSK

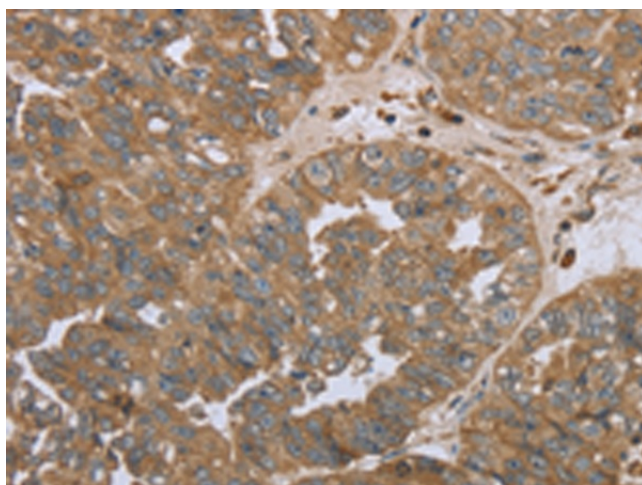
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Purine metabolism, Vascular smooth muscle contraction

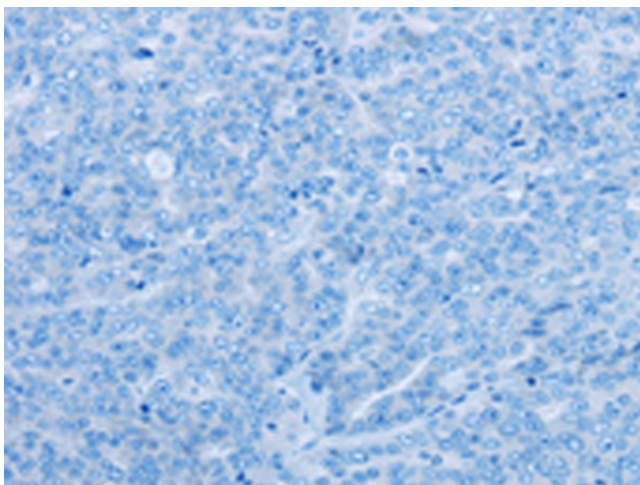
Product images:



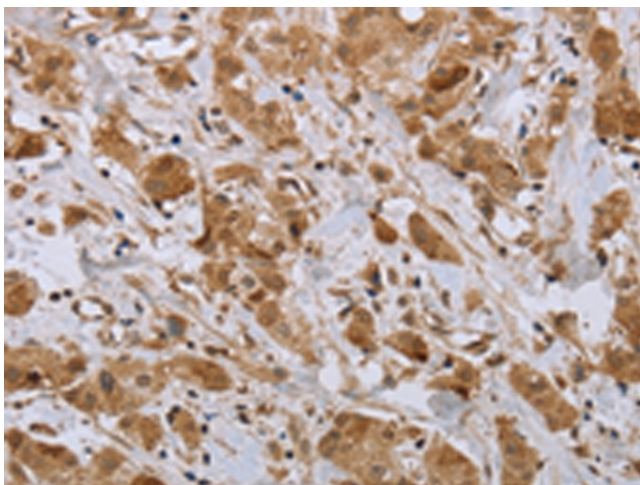
Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane: Mouse liver tissue
Primary antibody: TA351444 (NPR2 Antibody) at dilution 1/300
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 30 seconds



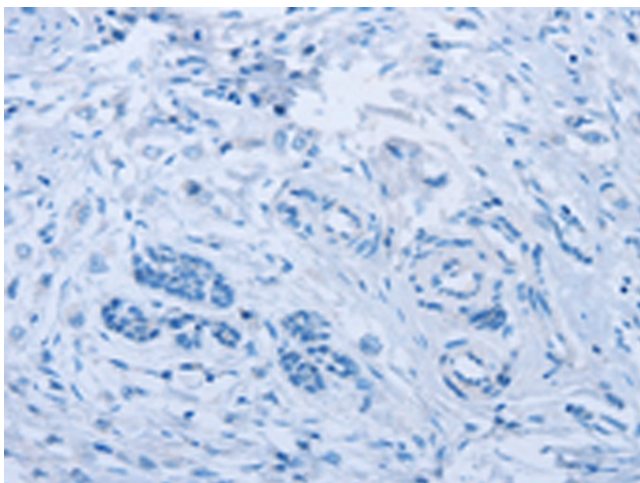
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA351444 (NPR2 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA351444 (NPR2 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA351444 (NPR2 Antibody) at dilution 1/45 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA351444 (NPR2 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: $\times 200$)