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Product datasheet for TA501021M

Natriuretic Peptide Receptor C (NPR3) Mouse Monoclonal Antibody [Clone ID: OTI4C3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C3
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NPR3 (NP_000899) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	Lot dependent
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.8 kDa
Gene Name:	natriuretic peptide receptor 3
Database Link:	NP_000899 Entrez Gene 4883 Human P17342
Background:	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
Synonyms:	ANP-C; ANPR-C; ANPRC; C5orf23; GUCY2B; NPR-C; NPRC

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Protein Families: Druggable Genome, Transmembrane

Product images:

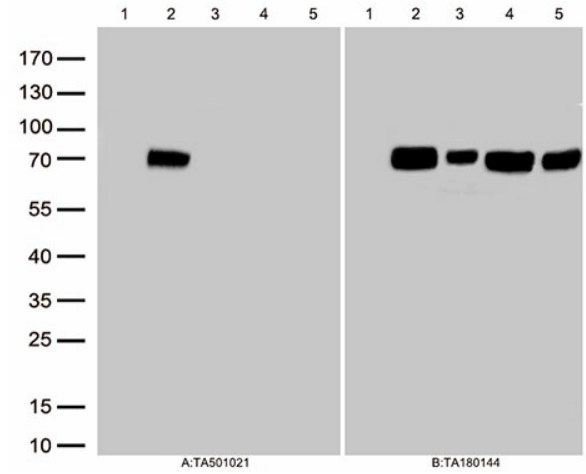
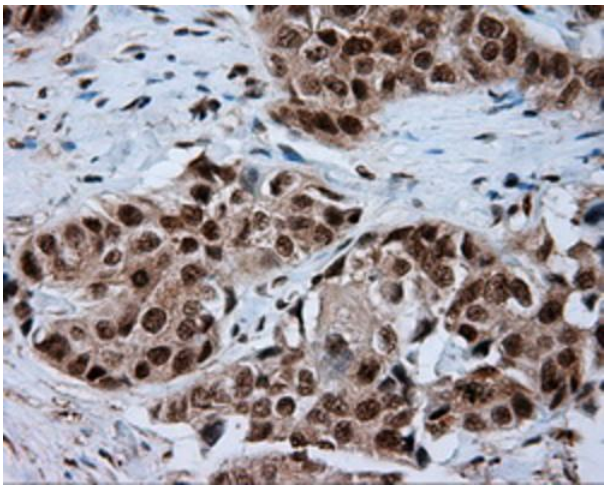
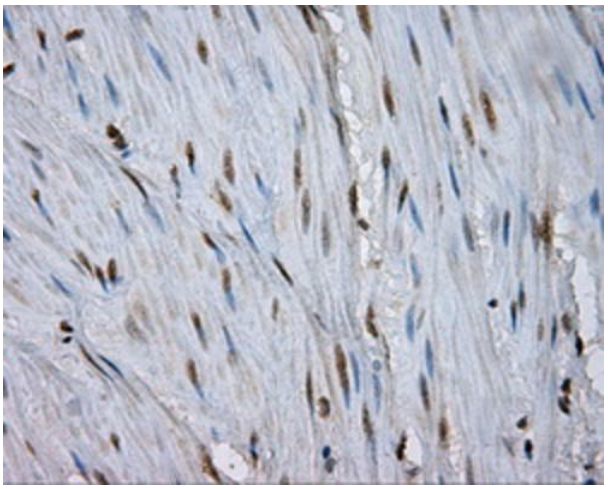


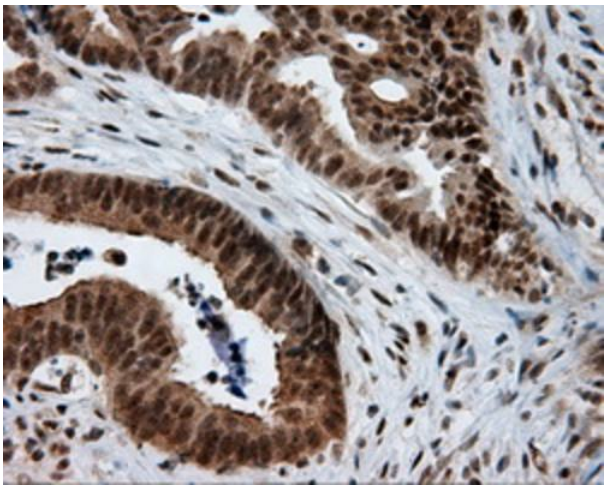
Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human NPR3 plasmid ([RC219453], lane 2), mouse NPR3 v2 plasmid ([MR208587], lane 3), mouse NPR3 v1 plasmid ([MR227616], lane 4), rat NPR3 plasmid ([RR203170], lane 5) using anti-NPR3 antibody [TA501021] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



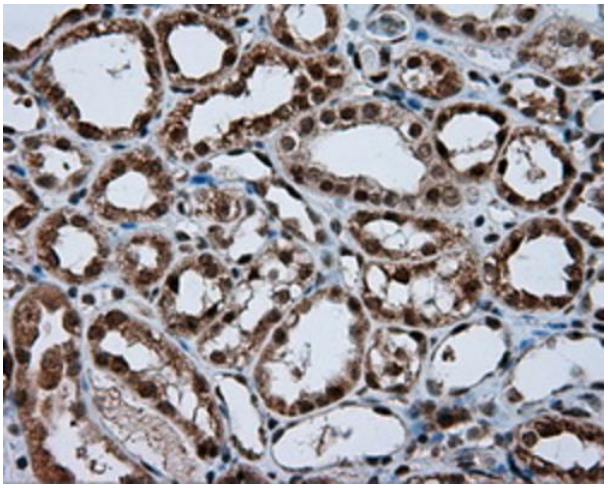
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



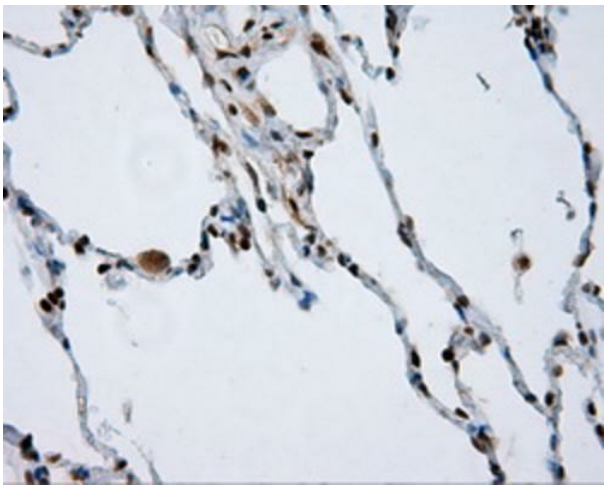
Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



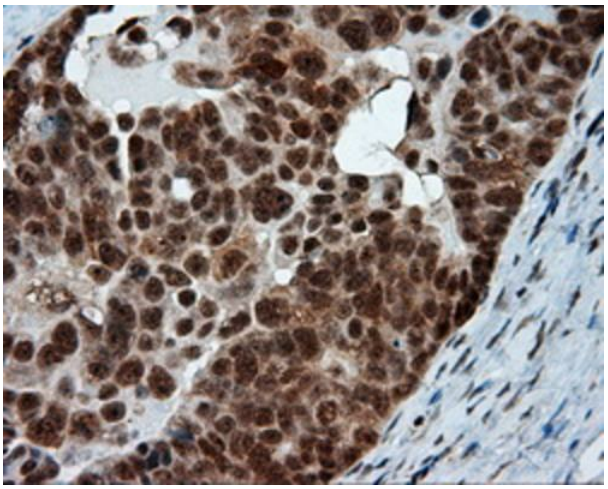
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



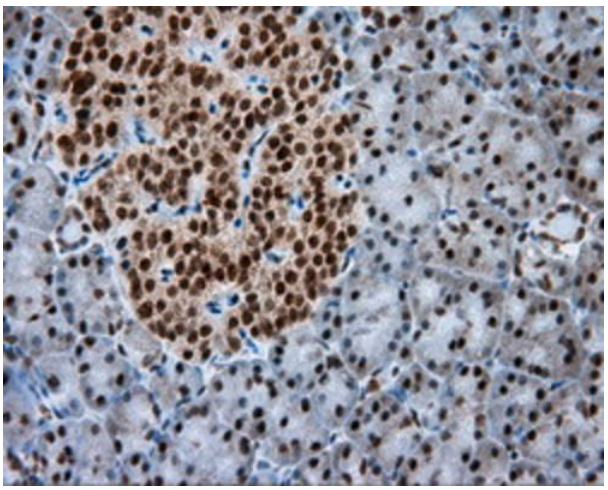
Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



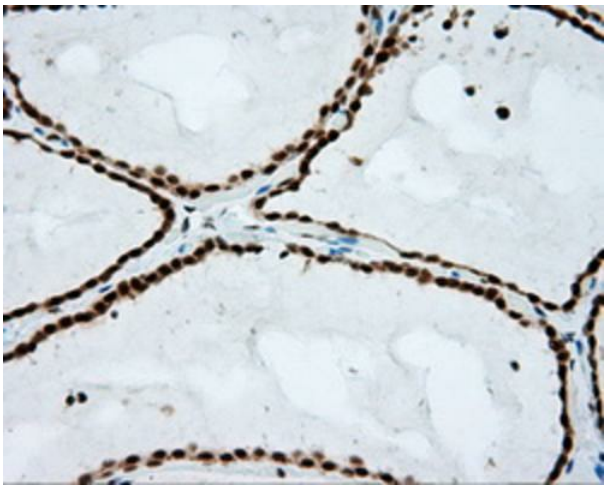
Immunohistochemical staining of paraffin-embedded lung tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



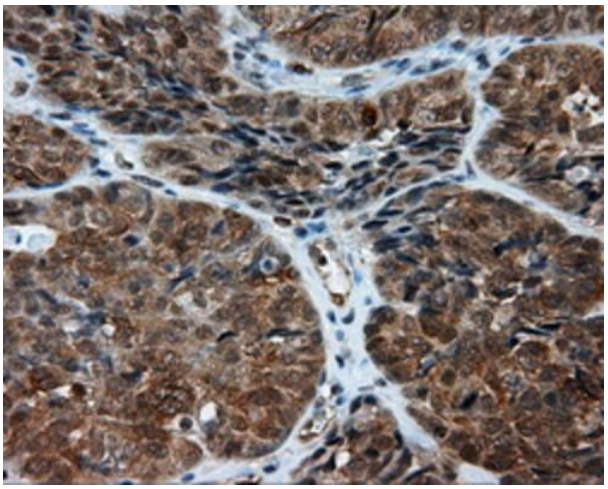
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



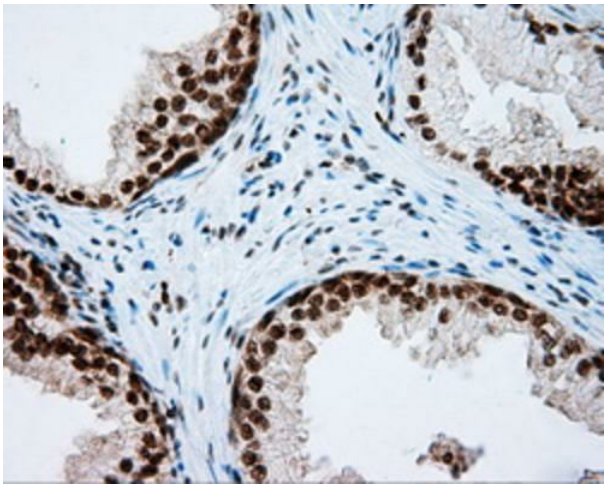
Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



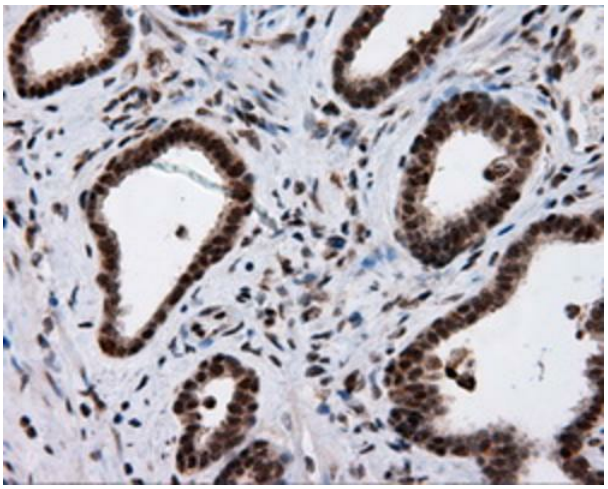
Immunohistochemical staining of paraffin-embedded thyroid tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



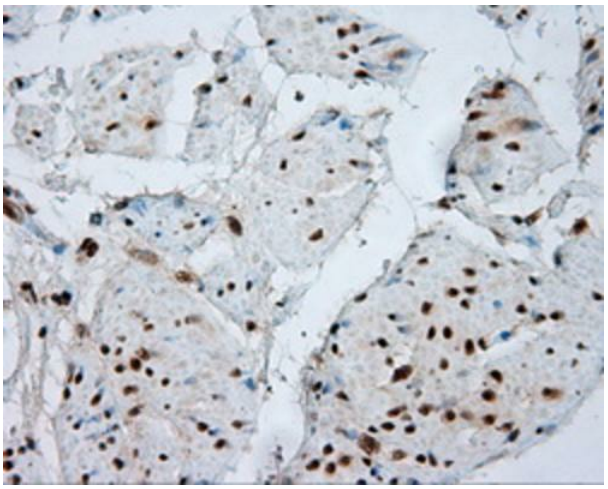
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of endometrium tissue using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



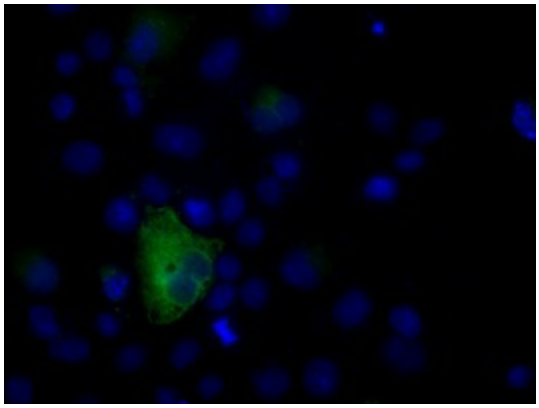
Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



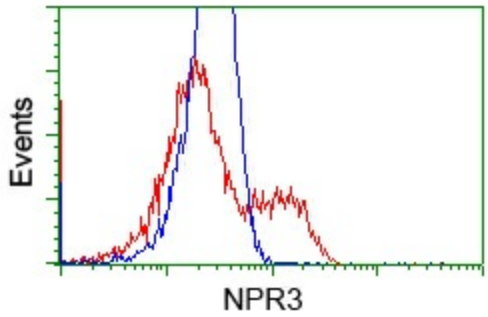
Immunohistochemical staining of paraffin-embedded Carcinoma of prostate tissue using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



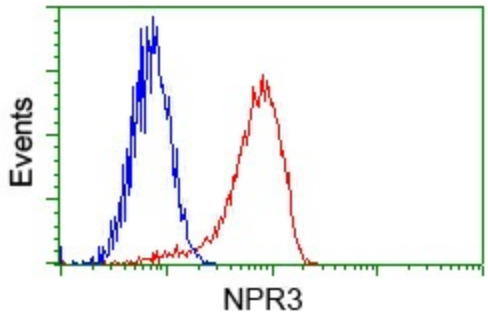
Immunohistochemical staining of paraffin-embedded bladder tissue within the normal limits using anti-NPR3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of SVT2 cells using anti-NPR3 mouse monoclonal antibody (Cat# [TA501021]).



HEK293T cells transfected with either pCMV6-ENTRY NPR3 ([RC219453]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-NPR3 mouse monoclonal ([TA501021]), and then analyzed by flow cytometry.



Flow cytometric analysis of Jurkat cells, using anti-NPR3 antibody ([TA501021]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).