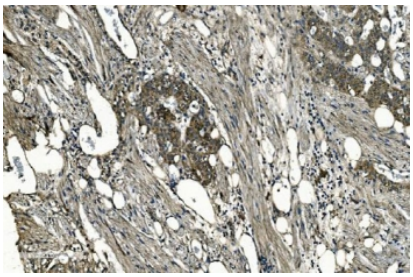
GNG7 Antibody (RQ6179)

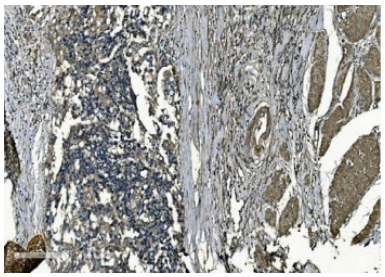
Catalog No.	Formulation	Size
RQ6179	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

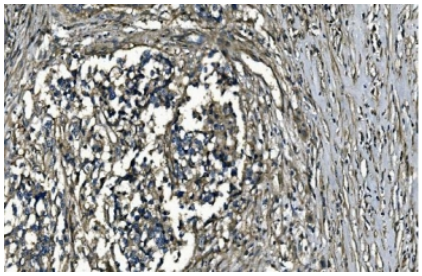
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
UniProt	O60262
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This GNG7 antibody is available for research use only.



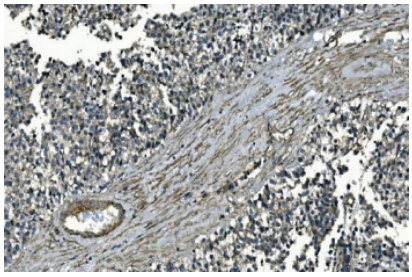
IHC staining of FFPE human renal carcinoma with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



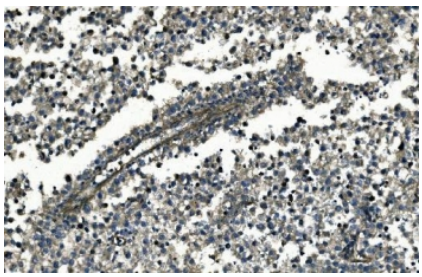
IHC staining of FFPE human bladder cancer with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



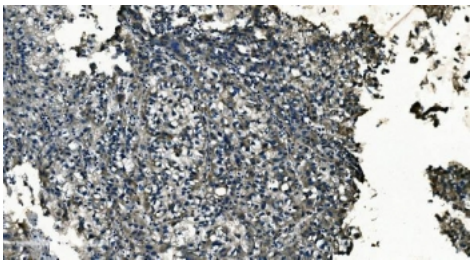
IHC staining of FFPE human bladder cancer with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



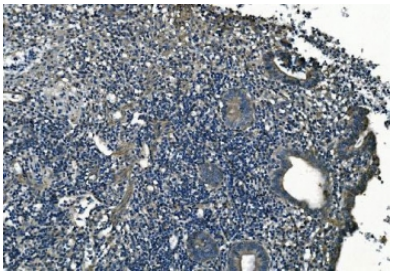
IHC staining of FFPE human testicular cancer with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



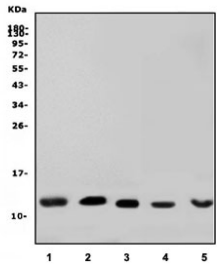
IHC staining of FFPE human testicular cancer with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



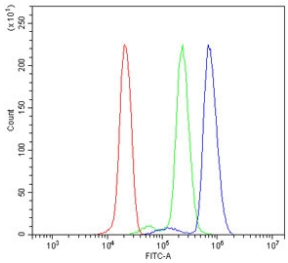
IHC staining of FFPE human liver cancer with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human appendicitis tissue with GNG7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) U937, 2) U-2 OS, 3) HEK293, 4) rat brain and 5) mouse brain lysate with GNG7 antibody. Predicted molecular weight ~12 kDa.



Flow cytometry testing of human U937 cells with GNG7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GNG7 antibody.

Description

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7 is a protein that in humans is encoded by the GNG7 gene. Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Plays a role in the regulation of adenylyl cyclase signaling in certain regions of the brain. Plays a role in the formation or stabilzation of a G protein heterotrimer (G(olf) subunit alpha-beta-gamma-7) that is required for adenylyl cyclase activity in the striatum?

Application Notes

Optimal dilution of the GNG7 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids S2-N57) was used as the immunogen for the GNG7 antibody.

Storage

After reconstitution, the GNG7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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