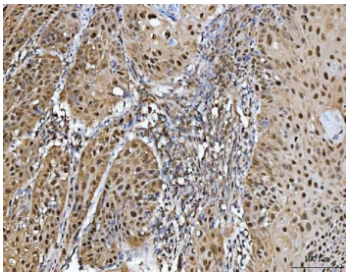
Protein arginine N-methyltransferase 5 Antibody / PRMT5 (RQ7102)

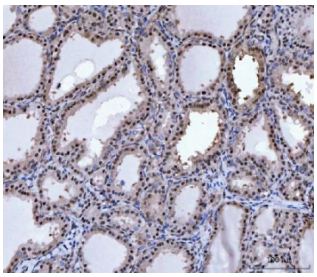
Catalog No.	Formulation	Size
RQ7102	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

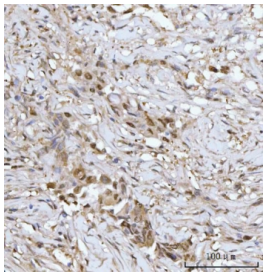
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14744
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Protein arginine N-methyltransferase 5 antibody is available for research use only.



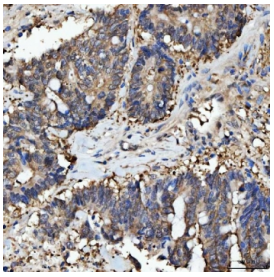
IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



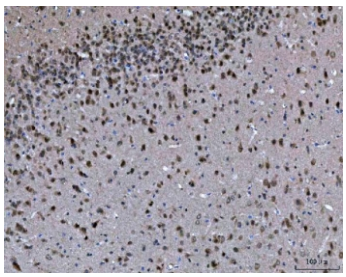
IHC staining of FFPE human thymus tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



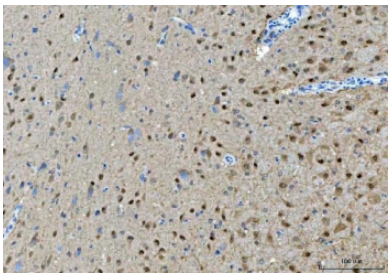
IHC staining of FFPE human breast cancer tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



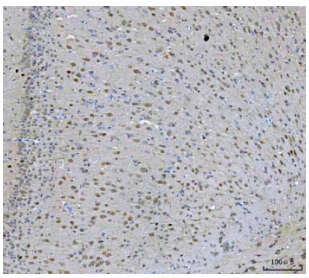
IHC staining of FFPE human rectal cancer tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



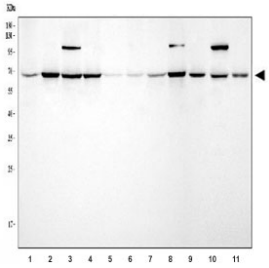
IHC staining of FFPE mouse brain tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with Protein arginine N-methyltransferase 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HepG2, 2) human Jurkat, 3) human Raji, 4) human 293, 5) human HL60, 6) human PC-3, 7) human A431, 8) human Daudi, 9) rat brain, 10) rat C6 and 11) mouse brain tissue lysate with Protein arginine N-methyltransferase 5 antibody. Expected molecular weight ~72 kDa.

Description

Protein arginine N-methyltransferase 5is an enzyme that in humans is encoded by the PRMT5 gene. It is mapped to 14q11.2. This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the Protein arginine N-methyltransferase 5 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S16-D355) was used as the immunogen for the Protein arginine N-methyltransferase 5 antibody.

Storage

After reconstitution, the Protein arginine N-methyltransferase 5 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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