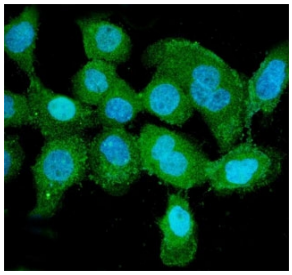
PNP Antibody / Inosine phosphorylase / Purine nucleoside phosphorylase [clone 7G5] (RQ6353)

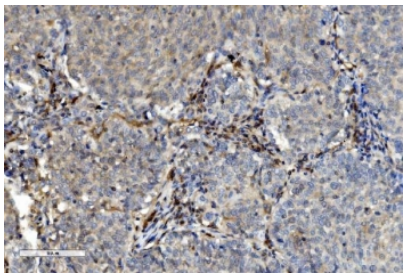
Catalog No.	Formulation	Size
RQ6353	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

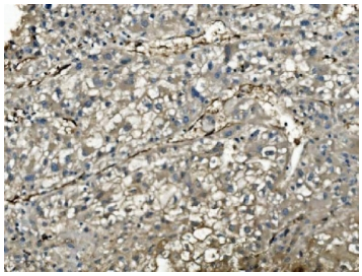
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	7G5
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P00491
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence (FFPE): 5ug/ml
Limitations	This PNP antibody is available for research use only.



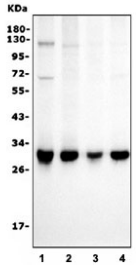
Immunofluorescent staining of FFPE human A431 cells with PNP antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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



Western blot testing of human 1) HEK293, 2) PC-3, 3) U-87 MG and 4) A549 cell lysate with PNP antibody. Predicted molecular weight ~32 kDa.

Description

The PNP gene encodes purine nucleoside phosphorylase, an enzyme that catalyzes the reversible phosphorolysis of the purine nucleosides and deoxynucleosides inosine, guanosine, deoxyinosine, and deoxyguanosine. It is presented results from gene dosage studies consistent with assignment of the PNP locus to band 14q13. PNP is expressed in most tissues, with markedly greater expression in lymphoid tissues. Genetic deficiencies of PNP result in severely compromised T?lymphocyte function and neurologic dysfunction.

Application Notes

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

Immunogen

Amino acids AMSDAYDRTMRQRALSTWKQMGEQRELQE were used as the immunogen for the PNP antibody.

Storage

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

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