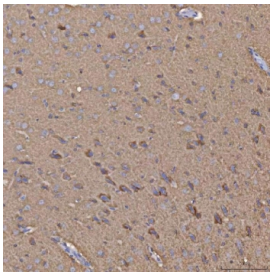
Selenophosphate synthetase 1 Antibody / SEPHS1 (RQ7477)

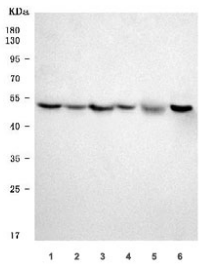
Catalog No.	Formulation	Size
RQ7477	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P49903
Localization	Cytoplasm, cell membrane, nuclear membrane
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This Selenophosphate synthetase 1 antibody is available for research use only.



IHC staining of FFPE rat brain tissue with Selenophosphate synthetase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Jurkat, 2) human HepG2, 3) human MOLT4, 4) human SiHa, 5) rat brain and 6) mouse brain tissue lysate with Selenophosphate synthetase 1 antibody. Predicted molecular weight ~43 kDa.

Description

Selenide, water dikinase 1 is an enzyme that in humans is encoded by the SEPHS1 gene. This gene encodes an enzyme that synthesizes selenophosphate from selenide and ATP. Selenophosphate is the selenium donor used to synthesize selenocysteine, which is co-translationally incorporated into selenoproteins at in-frame UGA codons.

Application Notes

Optimal dilution of the Selenophosphate synthetase 1 antibody should be determined by the researcher.

Immunogen

Amino acids RERDKVMPLIIQGFKDAAEEA from the human protein were used as the immunogen for the Selenophosphate synthetase 1 antibody.

Storage

After reconstitution, the Selenophosphate synthetase 1 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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