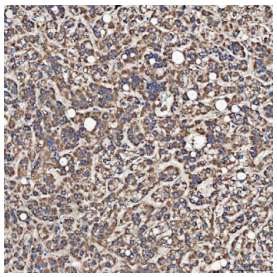
SH2D4A Antibody / PPP1R38 (RQ7645)

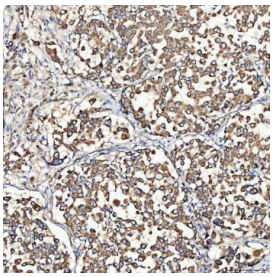
Catalog No.	Formulation	Size
RQ7645	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

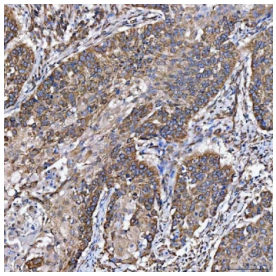
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H788
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SH2D4A antibody is available for research use only.



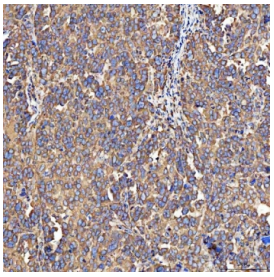
IHC staining of FFPE human liver cancer tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



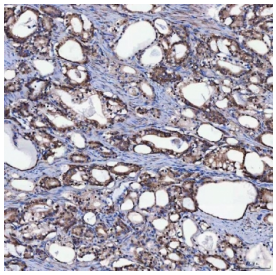
IHC staining of FFPE human lung adenocarcinoma tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



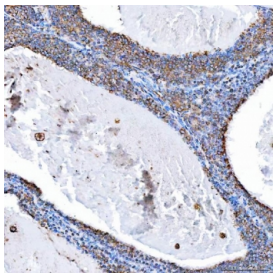
IHC staining of FFPE human larynx squamous cell carcinoma tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



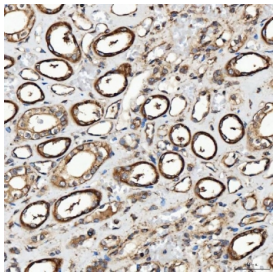
IHC staining of FFPE human ovarian serous cancer tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



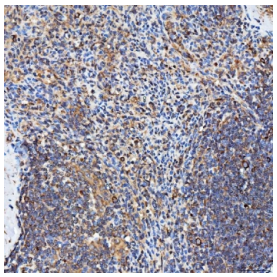
IHC staining of FFPE human prostate adenocarcinoma tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



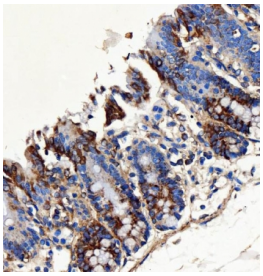
IHC staining of FFPE human breast cancer tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



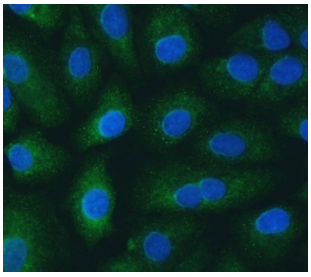
IHC staining of FFPE human renal cancer tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human spleen tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat gastric tissue with SH2D4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A549 cells with SH2D4A antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

SH2 domain-containing protein 4A, also called Protein phosphatase 1 regulatory subunit 38 (PPP1R38) is a protein that in humans is encoded by the SH2D4A gene. Using exon trapping and exon linking at chromosome 8p22 cloned SH2D4A, which they called SH2A. The deduced 454-amino acid protein contains a single SH2 domain. RT-PCR and Northern blot analysis detected ubiquitous expression of 3 SH2A transcripts, as well as aberrant expression in some cancer cell lines. Dai et al. (2002) concluded that SH2A is a docking protein that may be involved in signal transduction.

Application Notes

Optimal dilution of the SH2D4A antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R42-E454) was used as the immunogen for the SH2D4A antibody.

Storage

After reconstitution, the SH2D4A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.