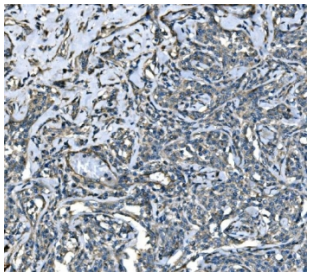
Atlastin-1 Antibody / ATL1 / SPG3A (RQ6822)

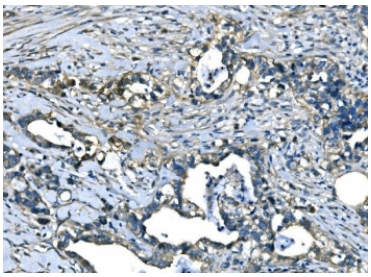
Catalog No.	Formulation	Size
RQ6822	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

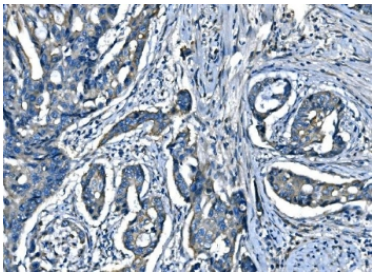
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8WXF7
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Atlastin-1 antibody is available for research use only.



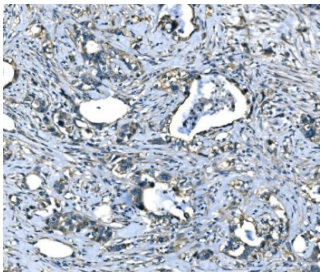
IHC staining of FFPE human lymphoma tissue with Atlastin-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



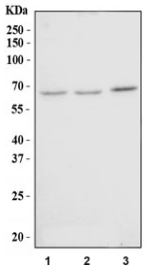
IHC staining of FFPE human stomach cancer tissue with Atlastin-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



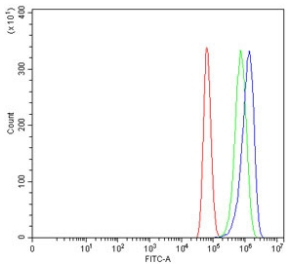
IHC staining of FFPE adenocarcinoma of the colon with Atlastin-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cervical cancer with Atlastin-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) 293T, 2) SiHa and 3) SH-SY5Y cell lysate with Atlastin-1 antibody. Predicted molecular weight ~64 kDa.



Flow cytometry testing of human U-87 MG cells with Atlastin-1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Atlastin-1 antibody.

Description

Atlastin, or Atlastin-1, is a protein that in humans is encoded by the ATL1 gene. The protein encoded by this gene is a GTPase and a Golgi body transmembrane protein. The encoded protein can form a homotetramer and has been shown to interact with spastin and with mitogen-activated protein kinase kinase kinase kinase 4. This protein may be involved in axonal maintenance as evidenced by the fact that defects in this gene are a cause of spastic paraplegia type 3. Three transcript variants encoding two different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Atlastin-1 antibody should be determined by the researcher.

Immunogen

Amino acids DKPFLAPNDLQTKHLQ from the human protein were used as the immunogen for the Atlastin-1 antibody.

Storage

After reconstitution, the Atlastin-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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