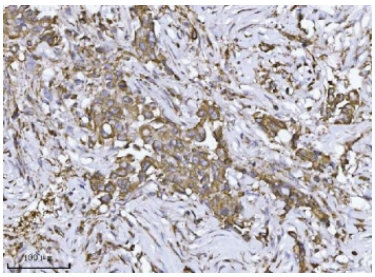
SCA2 Antibody / ATXN2 (RQ6945)

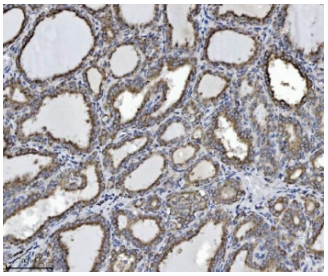
Catalog No.	Formulation	Size
RQ6945	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

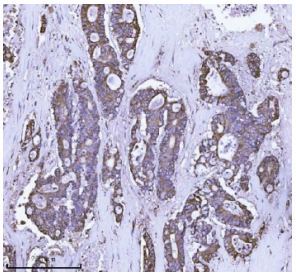
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99700
Applications	Western blot: 0.5-1 ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SCA2 antibody is available for research use only.



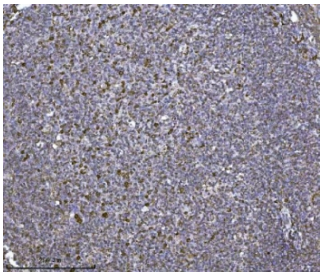
IHC staining of FFPE human breast cancer tissue with SCA2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



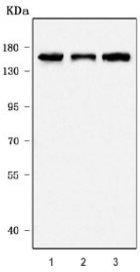
IHC staining of FFPE human thyroiditis tissue with SCA2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colorectal adenocarcinoma tissue with SCA2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with SCA2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) K562, 2) A549 and 3) 293T cell lysate with SCA2 antibody. Expected molecular weight: 114~140 kDa.

Description

Ataxin-2, the protein encoded by the ATXN2 gene, contains a polyglutamine tract, long expansions (greater than 33 repeats) of which result in spinocerebellar ataxia-2 (SCA2), an autosomal dominant form of olivopontocerebellar atrophy. The gene for spinocerebellar ataxia type 2 (SCA2) has been mapped to 12q24.1. Ataxin-2 associates with L- and T-plastin and that overexpression of ataxin-2 leads to accumulation of T-plastin in mammalian cells.

Application Notes

Optimal dilution of the SCA2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q1278-L1313) was used as the immunogen for the SCA2 antibody.

Storage

After reconstitution, the SCA2 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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