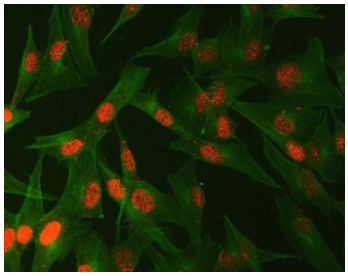
Abelson interactor 2 Antibody / ABI2 (RQ7677)

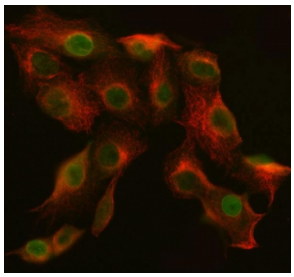
Catalog No.	Formulation	Size
RQ7677	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

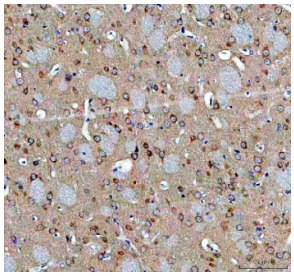
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NYB9
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Abelson interactor 2 antibody is available for research use only.



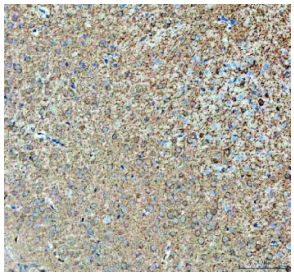
Immunofluorescent staining of FFPE human U-87 MG cells with Abelson interactor 2 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



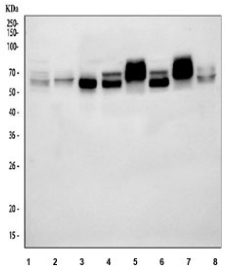
Immunofluorescent staining of FFPE human A549 cells with Abelson interactor 2 antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



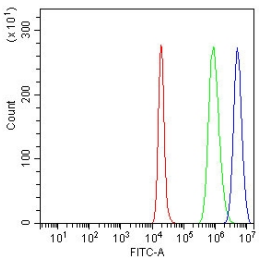
IHC staining of FFPE rat brain tissue with Abelson interactor 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse brain tissue with Abelson interactor 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human K562, 2) human HeLa, 3) human SH-SY5Y, 4) human 293T, 5) rat brain, 6) rat PC-12, 7) mouse brain and 8) mouse Neuro-2a cell lysate with Abelson interactor 2 antibody. Predicted molecular weight ~55 kDa.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with Abelson interactor 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Abelson interactor 2 antibody.

Description

Abl interactor 2 also known as Abelson interactor 2 (Abi-2) is a protein that in humans is encoded by the ABI2 gene. Enables several functions, including SH3 domain binding activity; identical protein binding activity; and ubiquitin protein ligase binding activity. Contributes to small GTPase binding activity. Involved in Rac protein signal transduction; positive regulation of cellular component organization; and zonula adherens assembly. Acts upstream of or within peptidyl-tyrosine phosphorylation. Located in several cellular components, including filopodium tip; lamellipodium; and nucleoplasm. Part of SCAR complex. Is active in adherens junction. Colocalizes with actin filament.

Application Notes

Optimal dilution of the Abelson interactor 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H151-D400) was used as the immunogen for the Abelson interactor 2 antibody.

Storage

After reconstitution, the Abelson interactor 2 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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