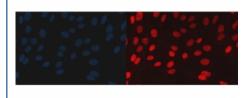


BAF57 Antibody / BRG1-associated factor 57 / SMARCE1 (RQ7665)

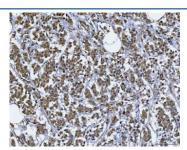
Catalog No.	Formulation	Size
RQ7665	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

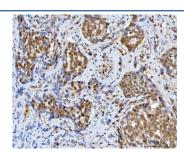
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q969G3
Localization	Nuclear
Applications	Western 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 BAF57 antibody is available for research use only.



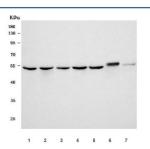
Immunofluorescent staining of FFPE human U-2 OS cells with BAF57 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



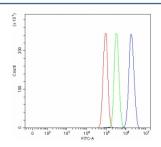
IHC staining of FFPE human breast cancer tissue with BAF57 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer tissue with BAF57 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human MCF7, 3) monkey COS-7, 4) human Jurkat, 5) rat C6, 6) mouse brain and 7) mouse NIH 3T3 cell lysate with BAF57 antibody. Predicted molecular weight ~47 kDa, commonly observed at 47-57 kDa.



Flow cytometry testing of human PC-3 cells with BAF57 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= BAF57 antibody.

Description

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 (SMARCE1), also called BRG1-associated factor 57 (BAF57), is a protein that in humans is encoded by the SMARCE1 gene. The protein encoded by this gene is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The encoded protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart.

Application Notes

Optimal dilution of the BAF57 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q18-A293) was used as the immunogen for the BAF57 antibody.

Storage After reconstitution, the BAF57 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.