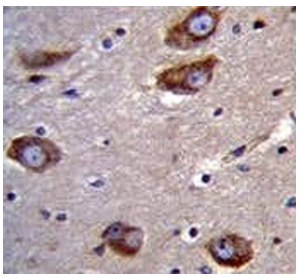
Brain-specific angiogenesis inhibitor 1 Antibody / BAI1 (F54968)

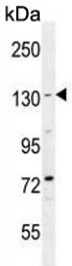
Catalog No.	Formulation	Size
F54968-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54968-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

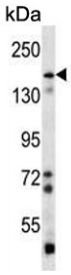
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O14514
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This Brain-specific angiogenesis inhibitor 1 antibody is available for research use only.



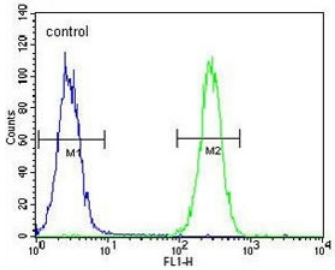
IHC testing of FFPE human brain tissue with Brain-specific angiogenesis inhibitor 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human K562 cell lysate with Brain-specific angiogenesis inhibitor 1 antibody. Predicted molecular weight ~174 kDa.



Western blot testing of mouse bladder tissue lysate with Brain-specific angiogenesis inhibitor 1 antibody. Predicted molecular weight ~174 kDa.



Flow cytometry testing of human K562 cells with Brain-specific angiogenesis inhibitor 1 antibody; Blue=isotype control, Green= Brain-specific angiogenesis inhibitor 1 antibody.

Description

Angiogenesis is controlled by a local balance between stimulators and inhibitors of new vessel growth and is suppressed under normal physiologic conditions. Angiogenesis has been shown to be essential for growth and metastasis of solid tumors. In order to obtain blood supply for their growth, tumor cells are potently angiogenic and attract new vessels as results of increased secretion of inducers and decreased production of endogenous negative regulators. BAI1 contains at least one 'functional' p53-binding site within an intron, and its expression has been shown to be induced by wildtype p53. There are two other brain-specific angiogenesis inhibitor genes, designated BAI2 and BAI3 which along with BAI1 have similar tissue specificities and structures, however only BAI1 is transcriptionally regulated by p53. BAI1 is postulated to be a member of the secretin receptor family, an inhibitor of angiogenesis and a growth suppressor of glioblastomas.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Brain-specific angiogenesis inhibitor 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1537-1567 from the human protein was used as the immunogen for the Brain-specific angiogenesis inhibitor 1 antibody.

Storage

Aliquot the Brain-specific angiogenesis inhibitor 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com