

AHNAK Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4797
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human AHNAK (AA: 1-200) expressed in E. Coli.
Mol wt	63KDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	PM227;AHNAKRS

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a large (700 kDa) structural scaffold protein consisting of a central domain with 128 aa repeats. The encoded protein may play a role in such diverse processes as blood-brain barrier formation, cell structure and migration, cardiac calcium channel regulation, and tumor metastasis. A much shorter variant encoding a 17 kDa isoform exists for this gene, and the shorter isoform initiates a feedback loop that regulates alternative splicing of this gene.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

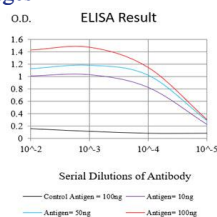
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

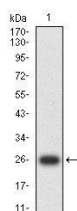
ELISA: 1:10000

Not yet tested in other applications.

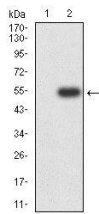
Images



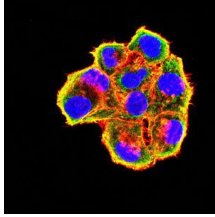
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



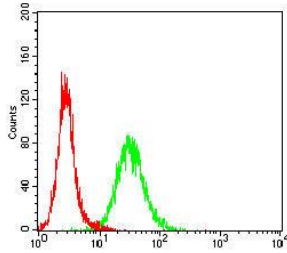
Western blot analysis using AHNAK mAb against human AHNAK (AA: 1-200) recombinant protein. (Expected MW is 25.2 kDa)



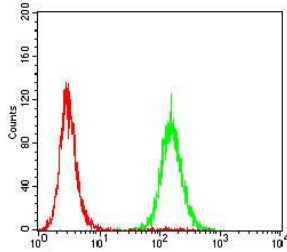
Western blot analysis using AHNAK mAb against HEK293-6e (1) and AHNAK (AA: 1-200)-hlgGFc transfected HEK293-6e (2) cell lysate.



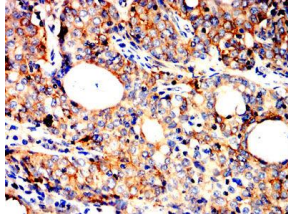
Immunofluorescence analysis of HeLa cells using AHNAK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



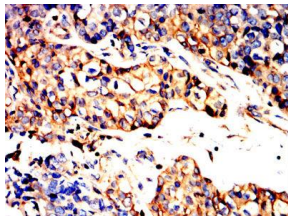
Flow cytometric analysis of HeLa cells using AHNAK mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 cells using AHNAK mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded Cervical cancer tissues using AHNAK mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using AHNAK mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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