

Product Name: AHNAK Mouse Monoclonal Antibody**Catalog #: AMM82826**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	63KDa

Antigen Information

Gene Name	AHNAK
Alternative Names	PM227; AHNAKRS
Gene ID	79026.0
SwissProt ID	Q09666
Immunogen	Purified recombinant fragment of human AHNAK (AA: 1-200) expressed in E. Coli.

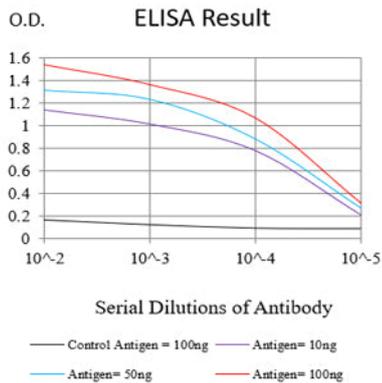
Background

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

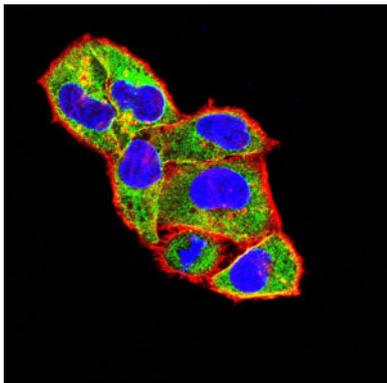
for this gene, and the shorter isoform initiates a feedback loop that regulates alternative splicing of this gene.

Research Area

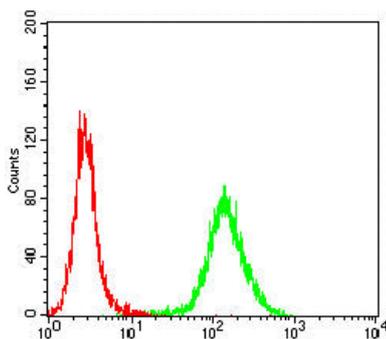
Image Data



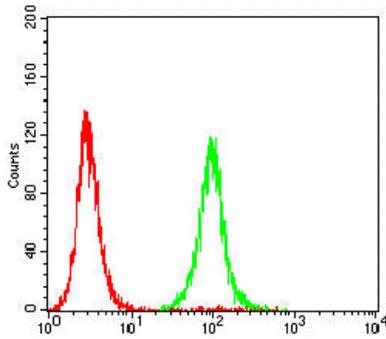
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



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.



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).