Product Name: PAR4 Mouse Monoclonal Antibody
Catalog #: AMM80653
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
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	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	36kDa

Antigen Information

Gene Name	PAR4
Alternative Names	PAWR
Gene ID	5074.0
SwissProt ID	Q96IZ0
Immunogen	Purified recombinant fragment of PAR4(aa1-330) expressed in E. Coli.

Background

Prostate apoptosis response 4 (Par4) is a 38kD protein originally identified as the product of a gene that is upregulated in prostate tumor cells undergoing apoptosis. It is a leucine zipper and death domain containing protein whose levels increase in neurons undergoing apoptosis as a result of trophic factor withdrawal or exposure to oxidative and metabolic insults. Par4

levels are reported to be increased in their lumbar spinal cord specimens further suggesting a role in neuronal degeneration. The tumor suppressor WT1 represses and activates transcription. The loss and/or imbalance of the dual transcriptional activity of WT1 may contribute to Wilms tumor. Par4 is a WT1 interacting protein that also functions as a transcriptional repressor.

Research Area

Apoptosis

Image Data

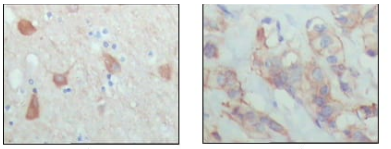
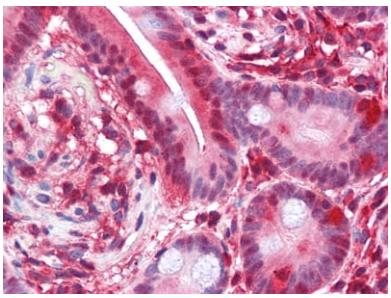


Figure 2: Immunohistochemical analysis of paraffin-embedded human brain and breast carcinoma,showing cytoplasmic and membrane localization with DAB staining using PAWR antibody.

Immunohistochemical analysis of paraffin-embedded human brain (left) and breast carcinoma (right), showing cytoplasmic and membrane localization using PAR4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human Small Intestine tissues using PAR4 mouse mAb