

PAR4 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2683
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of PAR4(aa1-330) expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC
Concentration	N/A
Full name	N/A
Synonyms	PAWR

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

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.

Recommended Dilution

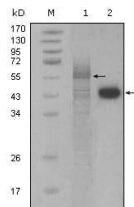
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

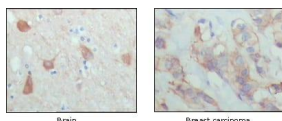
ELISA: 1:10000

Not yet tested in other applications.

Images

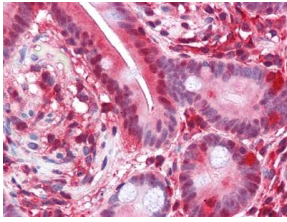


Western blot analysis using PAR4 mouse mAb against full-length Trx-Par4 recombinant protein (1) and HeLa cell lysate (2).



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

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 Small Intestine tissues using PAR4 mouse mAb

Storage

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

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