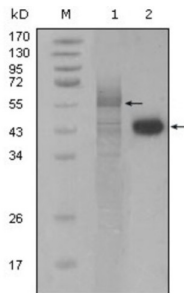
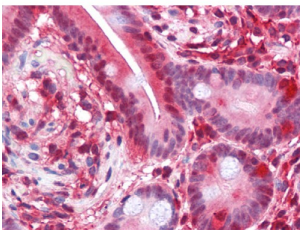


## Protease Activated Receptor 4 (PAR4) Antibody

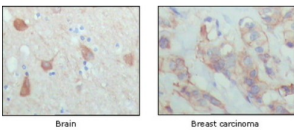
Catalogue No.: abx016047



Western blot analysis using PAR4 antibody 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 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded human Small Intestine tissues using PAR4 antibody.

**Figure 2:** Immunohistochemical analysis of paraffin-embedded human brain and breast carcinoma, showing cytoplasmic and membrane localization with DAB staining using PAR4 antibody.

Protease activated receptor 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.

**Target:** Protease Activated Receptor 4 (PAR4)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC

**Host:** Mouse

# Datasheet

Version: 5.0.0  
Revision date: 19 Mar 2025



**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of PAR4 (aa1-330) expressed in E. coli.

**Isotype:** IgG<sub>1</sub>

**Form:** Liquid

**Purification:** Unpurified ascites.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** Q96IZ0 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PAWR

**GeneID:** [5074](#)

**OMIM:** [601936](#)

**HGNC:** 8614

**KEGG:** hsa:5074

**Ensembl:** ENSG00000177425

**String:** [9606.ENSP00000328088](#)

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.