

PAR4 Blocking Peptide
Catalog # PBV10188b**Specification**

PAR4 Blocking Peptide - Product Information

Primary Accession	O96IZ0
Other Accession	EAW97348
Gene ID	5074
Calculated MW	36568

PAR4 Blocking Peptide - Additional Information**Gene ID** 5074**Application & Usage**

The peptide is used for blocking the antibody activity of Par4. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

PRKC apoptosis WT1 regulator protein, Prostate apoptosis response 4 protein, Par-4, PAWR, PAR4

Target/Specificity

PAR4

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

PAR4 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

PAR4 Blocking Peptide - Protein Information**Name** PAWR**Synonyms** PAR4**Function**

Pro-apoptotic protein capable of selectively inducing apoptosis in cancer cells, sensitizing the cells

to diverse apoptotic stimuli and causing regression of tumors in animal models. Induces apoptosis in certain cancer cells by activation of the Fas prodeath pathway and coparallel inhibition of NF-kappa-B transcriptional activity. Inhibits the transcriptional activation and augments the transcriptional repression mediated by WT1. Down-regulates the anti- apoptotic protein BCL2 via its interaction with WT1. Seems also to be a transcriptional repressor by itself. May be directly involved in regulating the amyloid precursor protein (APP) cleavage activity of BACE1.

Cellular Location

Cytoplasm. Nucleus. Note=Mainly cytoplasmic in absence of apoptosis signal and in normal cells. Nuclear in most cancer cell lines. Nuclear entry seems to be essential but not sufficient for apoptosis (By similarity). Nuclear localization includes nucleoplasm and PML nuclear bodies.

Tissue Location

Widely expressed. Expression is elevated in various neurodegenerative diseases such as amyotrophic lateral sclerosis, Alzheimer, Parkinson and Huntington diseases and stroke. Down-regulated in several cancers.

PAR4 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PAR4 Blocking Peptide - Images