

**PAWR Antibody (clone 3G9H7,4H12E9)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13149**

**Specification**

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**PAWR Antibody (clone 3G9H7,4H12E9) - Product Information**

Application	IHC
Primary Accession	<a href="#">O96I20</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	37kDa KDa

**PAWR Antibody (clone 3G9H7,4H12E9) - Additional Information**

**Gene ID** 5074

**Other Names**

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

**Target/Specificity**

Human PAWR

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

PAWR Antibody (clone 3G9H7,4H12E9) is for research use only and not for use in diagnostic or therapeutic procedures.

**PAWR Antibody (clone 3G9H7,4H12E9) - 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.

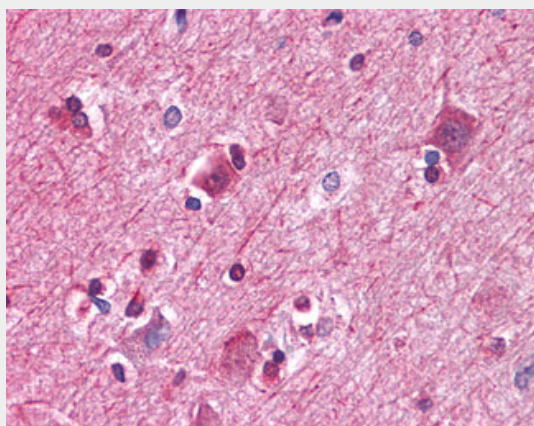
**Volume**

50 µl

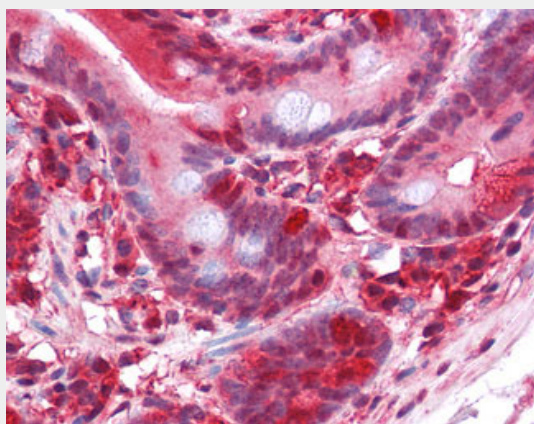
**PAWR Antibody (clone 3G9H7,4H12E9) - Protocols**

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](#)

**PAWR Antibody (clone 3G9H7,4H12E9) - Images**

Anti-PAWR / PAR4 antibody IHC of human brain, cortex.



Anti-PAWR / PAR4 antibody IHC of human small intestine.

#### **PAWR Antibody (clone 3G9H7,4H12E9) - Background**

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.

#### **PAWR Antibody (clone 3G9H7,4H12E9) - References**

Johnstone R.W.,et al.Mol. Cell. Biol. 16:6945-6956(1996).  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Hsu S.-C.,et al.Gene 295:109-116(2002).  
Chakraborty M.,et al.Cancer Res. 61:7255-7263(2001).  
Chang S.,et al.FEBS Lett. 510:57-61(2002).