

KD-Validated Anti-Pro-Apoptotic WT1 Regulator Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1874

Product Information

Application	WB, FC, ICC
Primary Accession	Q96IZ0
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB5010
Calculated MW	36568
Gene Name	PAWR
Aliases	PAWR; Pro-Apoptotic WT1 Regulator; Par-4; PAR4; PRKC Apoptosis WT1 Regulator Protein; PRKC, Apoptosis, WT1, Regulator; Prostate Apoptosis Response-4; Prostate Apoptosis Response Protein PAR-4; Prostate Apoptosis Response Protein 4; Prostate Apoptosis Response 4 Protein; Transcriptional Repressor PAR4; WT1-Interacting Protein
Immunogen	A synthesized peptide derived from human PAR4

Additional Information

Gene ID	5074
Other Names	PRKC apoptosis WT1 regulator protein, Prostate apoptosis response 4 protein, Par-4, PAWR, PAR4

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. Also seems 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.