

PAR4 Polyclonal Antibody

Catalog No :	YT3587
Reactivity :	Human;Mouse;Rat;Cow
Applications :	WB;IHC;IF;ELISA
Target :	PAR4
Gene Name :	PAWR
Protein Name :	PRKC apoptosis WT1 regulator protein
Human Gene Id :	5074
Human Swiss Prot No :	Q96IZ0
Mouse Gene Id :	114774
Mouse Swiss Prot No :	Q925B0
Rat Gene Id :	64513
Rat Swiss Prot No :	Q62627
Immunogen :	The antiserum was produced against synthesized peptide derived from human Prostate Apoptosis Response protein-4. AA range:291-340
Specificity :	PAR4 Polyclonal Antibody detects endogenous levels of PAR4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 36kD

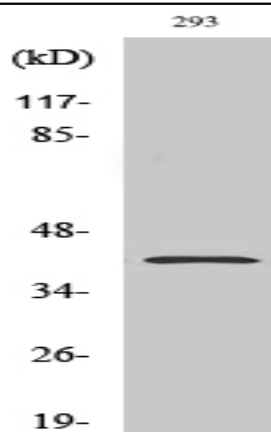
Background : The tumor suppressor WT1 represses and activates transcription. The protein encoded by this gene is a WT1-interacting protein that itself functions as a transcriptional repressor. It contains a putative leucine zipper domain which interacts with the zinc finger DNA binding domain of WT1. This protein is specifically upregulated during apoptosis of prostate cells. [provided by RefSeq, Jul 2008],

Function : domain:The leucine-zipper domain is not essential for apoptosis, but is required for sensitization of cells to exogenous apoptotic insults and for interaction with its partners.,domain:The SAC domain is a death-inducing domain selective for apoptosis induction in cancer cells. This domain is essential for nuclear entry, Fas activation, inhibition of NF-kappa-B activity and induction of apoptosis in cancer cells.,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

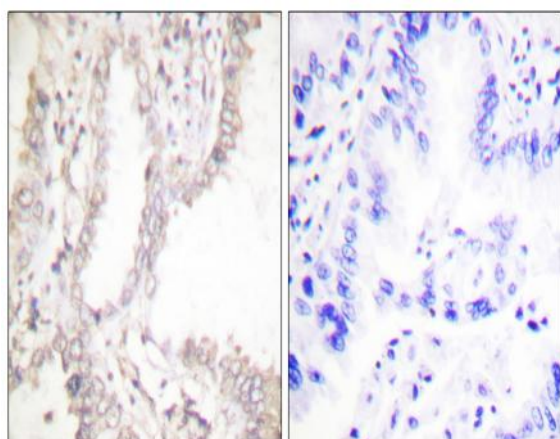
Subcellular Location : Cytoplasm. Nucleus. Mainly cytoplasmic in absence of apoptosis signal and in normal cells. Nuclear in most cancer cell lines. Nuclear entry seems to be essential but not sufficient for apoptosis (By similarity). Nuclear localization includes nucleoplasm and PML nuclear bodies.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

Expression : 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.

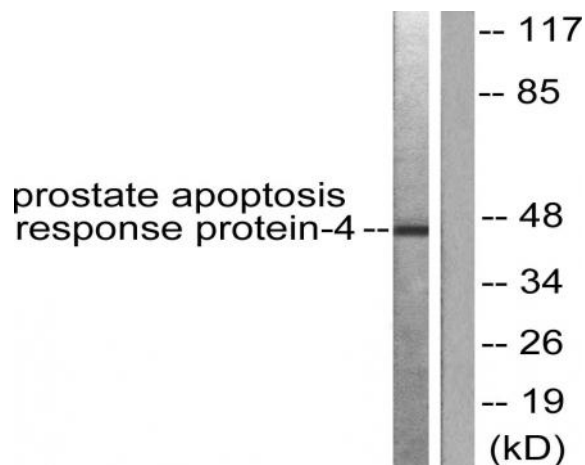
Products Images



Western Blot analysis of various cells using PAR4 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Prostate Apoptosis Response protein-4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using Prostate Apoptosis Response protein-4 Antibody. The lane on the right is blocked with the synthesized peptide.