**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AP06292PU-M

## PAR4 (PAWR) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IHC, WB |
| **Recommended Dilution:** | **Western blot:** 1/500-1/1000.<br>**Immunohistochemistry on paraffin sections:** 1/50-1/200. |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide, corresponding to amino acids 283-332 of Human PAR4. |
| **Specificity:** | This antibody detects endogenous levels of Prostate Apoptosis Response protein-4 protein. (region surrounding Asp313) |
| **Formulation:** | Phosphate buffered saline (PBS), pH 7.2.<br>State: Aff - Purified<br>State: Liquid purified Ig fraction<br>Preservative: 0.05% sodium azide |
| **Concentration:** | 1.0 mg/ml |
| **Purification:** | Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | ~ 45 kDa |
| **Gene Name:** | pro-apoptotic WT1 regulator |
| **Database Link:** | Entrez Gene 5074 Human<br>Q96IZ0 |

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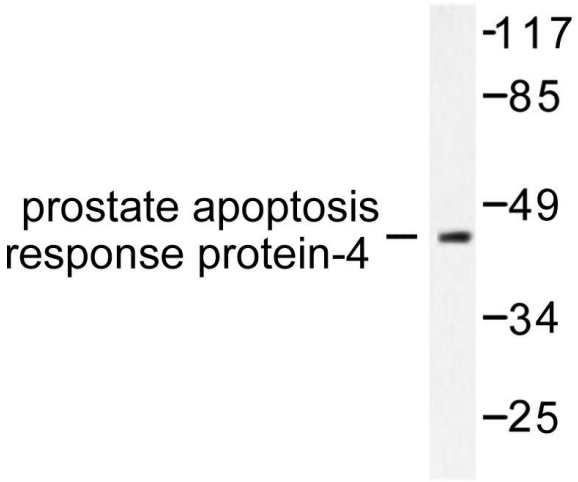
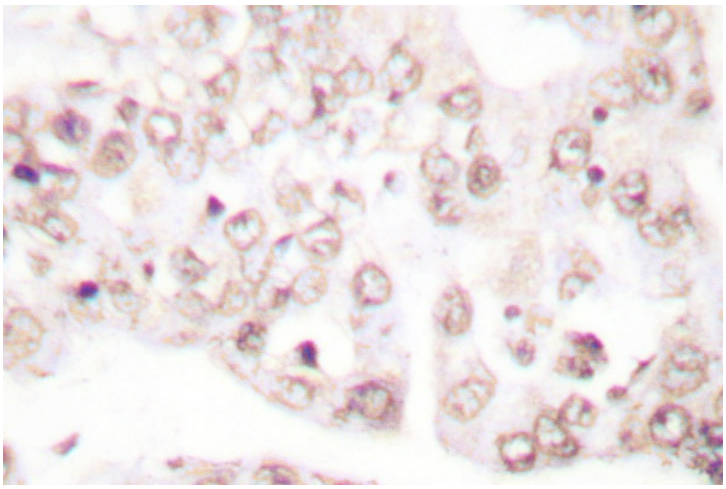
**Background:** Aberrant regulation of any of these cell processes can result in cancer. Cell death during embryogenesis, tissue atrophy and normal tissue turnover is called apoptosis and is characterized by cytoplasmic and nuclear condensation, nuclear disorganization and fragmentation of genomic DNA into 180-200 base pair oligomers. Five ionomycin-inducible complementary cDNAs, designated PAR1, 2, 3, 4 and 5, have been isolated from the prostate cancer cell line AT-3. Nucleotide sequencing identified PAR1 as the rat homolog of MKP-1, PAR2 as the injury-inducible gene HB-EGF, and PAR3 as the serum-induced gene Cyr61. PAR4 and PAR5 sequences were not found to correspond to any previously described proteins. PAR4 (prostate apoptosis response 4) is specifically expressed by cells entering apoptosis and is not induced during growth factor stimulation, oxidative stress, necrosis or growth arrest. The PAR4 gene encodes a protein with a putative nuclear localization signal and carboxy terminal leucine zipper.

**Synonyms:** Par-4

## Product images:




Western blot (WB) analysis of Prostate Apoptosis Response protein-4 antibody in extracts from NIH/3T3 cells.



Immunohistochemistry (IHC) analyzes of Prostate Apoptosis Response protein-4 antibody in paraffin-embedded human lung carcinoma tissue.