

PAR4 (D313) polyclonal antibody

Catalog: BS1300

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

Q96IZ0

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

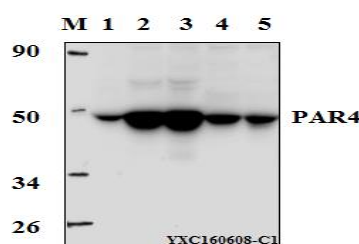
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Prostate Apoptosis Response protein-4 (D313) polyclonal antibody detects endogenous levels of Prostate Apoptosis Response protein-4 protein.

DATA:



Western blot (WB) analysis of PAR4 (D313) polyclonal antibody at 1:500 dilution

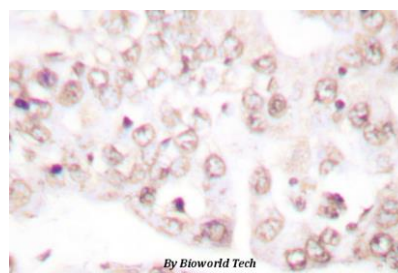
Lane1:U-87MG whole cell lysate(40µg)

Lane2:HCT-116 whole cell lysate(40µg)

Lane3:786-O whole cell lysate(40µg)

Lane4:The Testis tissue lysate of Mouse(40µg)

Lane5:The Testis tissue lysate of Rat(40µg)



Immunohistochemistry (IHC) analyzes of PAR4 (D313) pAb in paraffin-embedded human lung carcinoma tissue.

Note:

For research use only, not for use in diagnostic procedure.

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