PODN polyclonal antibody

Catalog: BS60696 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Non-collagenous proteins of the small leucine-rich repeat (SLR) protein family are considered important components of the extracellular matrix. The extracellular matrix plays an integral role in the pivotal processes of development, tissue repair and metastasis by regulating cell proliferation, differentiation, adhesion and migration. Podocan, also known as PCAN, SLRR5A or PODN, is a 613 amino acid secreted protein belonging to the small leucine-rich proteoglycan (SLRP) family and the class V subfamily. Expressed in kidney, heart, liver, pancreas and vascular smooth muscle cells, Podocan exists as three alternatively spliced isoforms containing twenty LRR (leucine-rich repeats), a unique N-terminal cysteine-rich cluster pattern and a highly acidic C-terminal domain. Podocan is considered a glycoprotein containing N-linked oligosaccharides that may be involved in growth regulation in cardiovascular tissues. Encoded by a gene located on human chromosome 1, Podocan interacts type I collagen (COL1).

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 69 kDa

Swiss-Prot:

Q7Z5L7

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

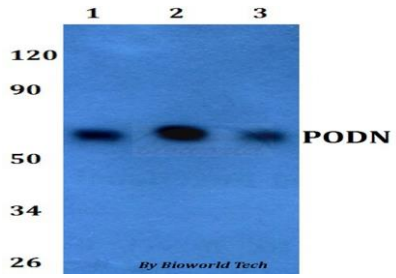
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PODN polyclonal antibody detects endogenous levels of PODN protein.

DATA:



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

Lane1:HEK293T whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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