

ADAMTS18 polyclonal antibody

Catalog: BS60769

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

ADAMTS (a disintegrin and metalloproteinase domain with Thrombospondin type-1 modules) is a family of zinc-dependent proteases that are implicated in a variety of normal and pathological conditions, including arthritis and cancer. ADAMTS protein family members contain an amino-terminal propeptide domain, a metalloproteinase domain, a disintegrin-like domain and a carboxy-terminus that contains a varying number of thrombospondin 1 (TSP 1) motifs. ADAMTS genes are primarily expressed in fetal tissues, including the lung, kidney and liver. ADAMTS-18 is a secreted protein that is also expressed in adult brain, endothelium, prostate and submaxillary gland. ADAMTS-18 has two known splice variants and it is structurally most similar to ADAMTS-16. ADAMTS-18 is downregulated in carcinoma cell lines by methylation of its promoter. Forced expression of ADAMTS-18 in carcinoma cells can lead to significant inhibition of cell growth, suggesting that it plays a significant role as a tumor suppressor.

Product:

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

Molecular Weight:

~ 135 kDa

Swiss-Prot:

Q8TE60

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

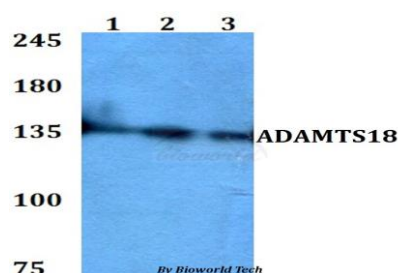
Storage&Stability:

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

Specificity:

ADAMTS18 polyclonal antibody detects endogenous levels of ADAMTS18 protein.

DATA:

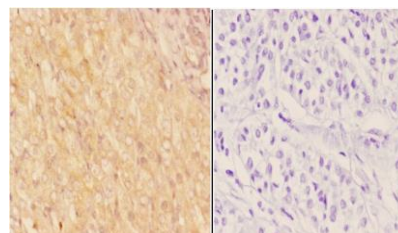


Western blot (WB) analysis of ADAMTS18 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate



Immunohistochemistry (IHC) analyzes of ADAMTS18 pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing cytoplasm staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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