

ADAMTS10 polyclonal antibody

Catalog: BS60809

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 (1–3). Embryogenesis, morphological growth changes, inflammation, tumor invasion and metastasis involve the breakdown and remodeling of the extracellular matrix. This degradation is due to the family of enzymes known as the matrix metalloproteinases (MMPs), which are related to ADAMTS subtypes. 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 type-1 (TSP-1) motifs (1–3). ADAMTS genes are primarily expressed in fetal tissues, including the lung, kidney and liver (1–3). The human ADAMTS10 gene maps to chromosome 19p13.3 (4). The human ADAMTS19 gene maps to chromosome 5q31 (1,5).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 121 kDa

Swiss-Prot:

Q9H324

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:

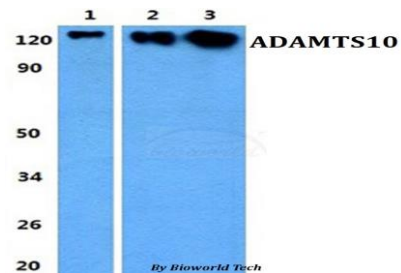
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

ADAMTS10 polyclonal antibody detects endogenous levels of ADAMTS10 protein.

DATA:

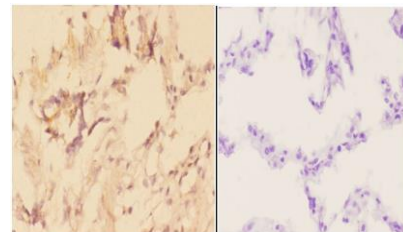


Western blot (WB) analysis of ADAMTS10 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:PC12 whole cell lysate

Lane3:Raw264.7 whole cell lysate



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Lot CN45141

Immunohistochemistry (IHC) analyzes of ADAMTS10 pAb in paraffin-embedded human lung 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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