bs-5859R **[Primary Antibody]**

ADAMTS8 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 11095

Target: ADAMTS8

Immunogen: KLH conjugated synthetic peptide derived from human ADAMTS8: 541-640/889.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: ADAMTS proteases are secreted enzymes containing a prometalloprotease domain of the reprolysin type. The ADAMTS proteases function in processing of procollagens and von Willebrand factor as well as catabolism of aggrecan, versican and brevican. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. A member of the metalloproteinase family containing disintegrin like domains (ADAMs), the function of ADAMTS8 is still poorly understood. ADAMTS8 contains the canonical HExxHxxxxxH zinc metalloproteinase motif, and has been shown to be proteolytically active on a range of substrates. ADAMTS8 is inhibited by the endogenous MMP inhibitors, TIMP1, 2, 3 and 4, but most efficiently by TIMP3. In addition to the metalloprotease domain, ADAMTS8 has a propeptide domain, a Prohormone Convertase (PC, furin) cleavage site, a cysteine rich domain and thrombospondin 1 like domains.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig, Chicken, Dog, Horse)

Predicted MW.: 74 kDa

Subcellular Location: Secreted ,Extracellular matrix

SELECTED CITATIONS

- **[IF=4.927]** Pan Xu. et al. MOBT Alleviates Pulmonary Fibrosis through an lncITPF–hnRNP-l-Complex-Mediated Signaling Pathway. MOLECULES. 2022 Jan;27(16):5336 WB ;Mouse,Human. 36014574
- **[IF=3.575]** Yutian Zhang. et al. ADAMTS8 inhibited lung cancer progression through suppressing VEGFA. Biochem Bioph Res Co. 2022 Apr;598:1 WB ;Human. 35149432
- **[IF=2]** Baosheng Zhou. et al. ADAMTS8 inhibits glioma development in vitro and in vivo. FOLIA NEUROPATHOL. 2023 Jul;61(2):144-152 WB ;Human. 37587889
- **[IF=1.13]** Musa Tatar. et al. Expression of ADAMTS 1-4-8 and placental growth factor in ovary and oviduct during pregnancy in the first trimester. ANAT HISTOL EMBRYOL. 2023 Apr;: IHC ;Rat. 37014320
- **[IF=0.9]** Musa Tatar. et al. Expression of placental growth factor and a disintegrin and metalloprotease with a thrombospondin type motifs 1-4-8 during the three trimesters of rat pregnancy at the maternal-fetal interface. ANAT HISTOL EMBRYOL. 2023 Jul;: WB,IHC ;Rat. 37424113