bs-0527R **[Primary Antibody]**

CD10 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4311 **SWISS:** P08473

Target: CD10

Immunogen: KLH conjugated synthetic peptide derived from human CD10: 490-530/750. < Extracellular >

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: The protein encoded by this gene is a type II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. [provided by RefSeq, Aug 2017]

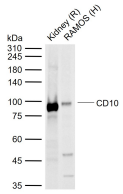
Applications: **WB** (1:500-2000)

Reactivity: Human, Rat (predicted: Mouse)

Predicted MW.: 82 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Rat Kidney tissue lysates Lane 2: Human RAMOS cell lysates Primary: Anti-CD10 (bs-0527R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 82 kDa Observed band size: 100 kDa

SELECTED CITATIONS

- **[IF=3.439]** Wang L et al. TGF-β1 stimulates epithelial–mesenchymal transition and cancer-associated myoepithelial cell during the progression from in situ to invasive breast cancer. Cancer Cell Int. 2019 Dec 19;19:343. ICC ;Human. 31889895
- **[IF=1.966]** Tian L et al. Gingerol inhibits cisplatin-induced acute and delayed emesis in rats and minks by regulating the central and peripheral 5-HT, SP, and DA systems. J Nat Med. 2019 Nov 25. IHC ;rat&mink. 31768887
- **[IF=2.349]** Yasuno Yamaguchi. et al. Hyperthyroidism exacerbates ischemic reperfusion injury in the kidney. 2021 Oct 09 FCM ;Mouse. 34629337