

bs-2702R**[Primary Antibody]****CD108 Rabbit pAb****Bioss**
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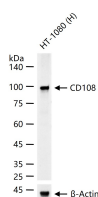
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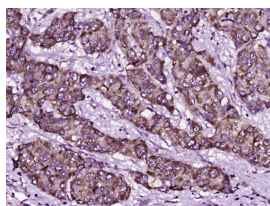
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 8482 Target: CD108 Immunogen: KLH conjugated synthetic peptide derived from human Sema7A: 351-450/666. 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: Semaphorin 7a is required for central and peripheral axon growth and is required for proper axon tract formation during embryonic development. Semaphorin 7a is also involved in modulating immune function. Semaphorin 7a expression is highest in the brain and increases in late embryonic and postnatal stages. The Semaphorins constitute a large family of secreted and membrane-tethered cell signaling molecules. They have functions in neural development, immunology, cardiac growth, vascular development, lung morphogenesis and axial bone patterning. Semaphorins are defined by the presence of a conserved Sema domain at the N-terminus. These proteins can be classified into eight classes depending on their structure and species origin. Classes 3 through 7 are found in vertebrates; class 3 are secreted, class 7 are GPI-anchored, and class 4 through 6 are transmembrane proteins.	Isotype: IgG SWISS: O75326	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Cow, Dog) Predicted MW.: 75 kDa Subcellular Location: Extracellular matrix ,Cell membrane
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— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with CD108 polyclonal antibody, unconjugated (bs-2702R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD108) Polyclonal Antibody, Unconjugated (bs-2702R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=7.3]** Haiying Peng, et al. Semaphorin 7a aggravates TGF-β1-induced airway EMT through the FAK/ERK1/2 signaling pathway in asthma. FRONT IMMUNOL. 2023; 14: 1167605 IHC ;Mouse. 38022556