bs-11086R

[Primary Antibody]

JAMC Rabbit pAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
GeneID: 83700
SWISS: Q9BX67
Target: JAMC
Immunogen: KLH conjugated synthetic peptide derived from human JAMC: 31-130/310. < 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: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is localized in the tight junctions between high endothelial cells. Unlike other proteins in this family, the this protein is unable to adhere to leukocyte cell lines and only forms weak homotypic interactions. The encoded protein is a member of the junctional adhesion molecule protein family and acts as a receptor for another member of this family. A mutation in an intron of this gene is associated with hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2011].

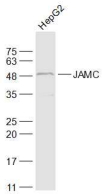
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

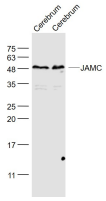
Predicted MW.: 31 kDa

Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane

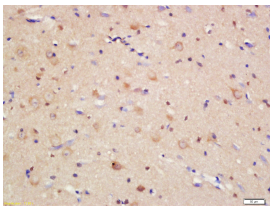
VALIDATION IMAGES



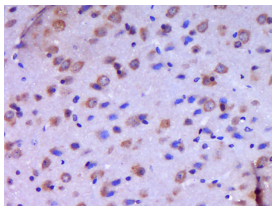
Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-JAMC (bs-11086R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 49 kD



Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Primary: Anti-JAMC (bs-11086R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 49 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-JAMC Polyclonal Antibody, Unconjugated(bs-11086R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (JAMC) Polyclonal Antibody, Unconjugated (bs-11086R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=4.932]** Yi Ren. et al. Pravastatin attenuates sepsis-induced acute lung injury through decreasing pulmonary microvascular permeability via inhibition of Cav-1/eNOS pathway. Int Immunopharmacol. 2021 Nov;100:108077 WB ;Mouse. 34464887
- **[IF=3.8]** Yue Jia. et al. Epigenetic silencing of JAM3 promotes laryngeal squamous cell carcinoma development by inhibiting the Hippo pathway. ONCOL REP. 2025 Feb;53(2):1-14 WB,IHC ;Human. 39749700
- **[IF=3.7]** Yue Jia. et al.Upstream transcription factor 1 suppresses laryngeal squamous cell carcinoma progression through transcriptional activation of junctional adhesion molecule 3..IUBMB LIFE.2025 Mar;77(3):e70013. IF ;Human. 40071730