bs-5814R

[Primary Antibody]

Prominin 2 Rabbit pAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

| - DATASHEET | | 400-901-9800 |
|---|---------------|--|
| Host: Rabbit | lsotype: IgG | Applications: WB (1:500-2000) |
| Clonality: Polyclonal | | IHC-P (1:100-500) |
| GenelD: 150696 | SWISS: 08N271 | IFC-F (1:100-500) |
| Target: Prominin 2 | | ELISA (1:5000-10000) |
| Immunogen: KLH conjugated synthetic peptide derived from human Prominin 2: 301-400/834. | | Reactivity: (predicted: Human, Mouse, Rat, Pig, Dog) |
| Purification: affinity purified by | Protein A | |
| Concentration: 1mg/ml | | Predicted MW.: ^{89 kDa} |
| 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. | | Subcellular Location: Cell membrane |
| Background: Prominin 2 is a 112 kDa glycoporotein structurally related to Prominin 1 (CD133) although amino acid similarity is not more than 30%, but their genomic organization is strikingly similar. Like Prominin 1, the prominin 2 exhibit similar membrane topology with 5 trans-membrane domains and two large glycosylated extracellular domains. Similar to Prominin1 localization, the Prominin 2 is also associated with membrane protrusions of the epithelial cells from adult kidney, and all along the digestive track and other epithelial tissues. Prominin 2 expression is down- regulated in aggressive prostate cancer cell lines and transient transfection of PROML2 expression vectors has been shown to induce apoptosis in cultured prostate cancer cells, suggesting a tumor suppressive role for Prominin 2. Prominin 2 expression is likely to be involved in growth suppression in the prostate, and down-regulation of Prominin 2 may disrupt normal prostatic homeostasis and lead to uncontrolled prostatic growth. | | |

- SELECTED CITATIONS -------

• [IF=4.072] Jun-Hua Nie. et al. Identification of GPC3 mutation and upregulation in a multidrug resistant osteosarcoma

and its spheroids as therapeutic target. J Bone Oncol. 2021 Oct;30:100391 IF ;human. 34611509