bs-1235R **[Primary Antibody]**

Hyaluronidase-1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 367166 **SWISS:** Q76HN1

Target: Hyaluronidase-1

Immunogen: KLH conjugated synthetic peptide derived from rat Haase: 271-400/449.

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: Hyaluronidase degrades hyaluronic acid, which is an important structural proteoglycan found in basement membranes and also extracellular matrices. There are six members of the hyaluronidase family. Hyaluronidase PH20 is a GPI-anchored enzyme located on the human sperm surface and inner acrosomal membrane and plays a role in sperm penetration through the the hyaluronic acid-rich cumulus cell layer surrounding the oocyte. Abnormal expression of this gene has been implicated in degradation of basement membranes leading to tumor invasion and metastasis.

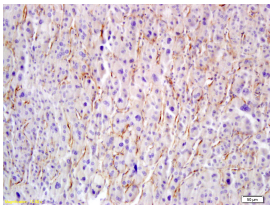
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test)

Reactivity: Human (predicted: Mouse, Rat)

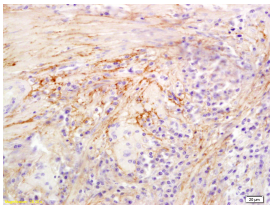
Predicted MW.: 45 kDa

Subcellular Location: Secreted ,Cytoplasm

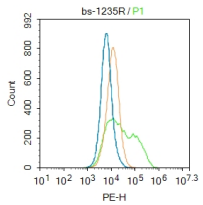
VALIDATION IMAGES



Tissue/cell: human liver carcinoma; 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-Hyaluronidase-1 Polyclonal Antibody, Unconjugated(bs-1235R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon carcinoma; 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-Hyaluronidase-1 Polyclonal Antibody, Unconjugated(bs-1235R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:Hela. Primary Antibody (green line): Rabbit Anti-Hyaluronidase-1 antibody (bs-1235R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 2µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=18.2]** Tingkui Zhao. et al. A Triple-Targeted Rutin-Based Self-Assembled Delivery Vector for Treating Ischemic Stroke by Vascular Normalization and Anti-Inflammation via ACE2/Ang1-7 Signaling. ACS CENTRAL SCI. 2023;XXXX(XXX):XXX-XXX FCM,IHC ;Rat,Human. 37396868

- **[IF=10.652]** Junjie Liu. et al. A specific “switch-on” type magnetic resonance nanoprobe with distance-dominate property for high-resolution imaging of tumors. Chem Eng J. 2021 Jan;404:126496 IHC ;Mouse. 10.1016/j.cej.2020.126496
- **[IF=11.092]** Juan Cen. et al. A Water-Soluble Quercetin Conjugate with Triple Targeting Exerts Neuron-Protective Effect on Cerebral Ischemia by Mitophagy Activation. ADV HEALTHC MATER. 2022 Sep;:2200817 IHC ;Rat. 36071574
- **[IF=10.723]** Jia-xin Hao. et al. A seminal perspective on the role of chondroitin sulfate in biomineralization. CARBOHYD POLYM. 2023 Jun;310:120738 IF ;Rat. 36925258
- **[IF=4.879]** Petra Žádníková. et al. The Degradation of Hyaluronan in the Skin. Biomolecules. 2022 Feb;12(2):251 WB,IHC,IF ;Human. 35204753