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## anti-HSPG2 antibody

3 Images



Go to Product page

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|--------|-----|-------------|-----|---|---|---|---|
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| Quantity:    | 100 μL   |
|--------------|--|
| Target:      | HSPG2  |
| Reactivity:  | Human  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This HSPG2 antibody is un-conjugated                     |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

#### **Product Details**

| Immunogen:        | Synthetic peptide of Human HSPG2 |  |
|-------------------|----------------------------------|--|
| Isotype:          | IgG                              |  |
| Cross-Reactivity: | Human, Mouse                     |  |
| Purification:     | Antigen affinity purification    |  |

### **Target Details**

| Target:           | HSPG2  |
|-------------------|--|
| Alternative Name: | HSPG2 (HSPG2 Products)   |
| Background:       | Background: This gene encodes the perlecan protein, which consists of a core protein to which three long chains of glycosaminoglycans (heparan sulfate or chondroitin sulfate) are attached. The perlecan protein is a large multidomain proteoglycan that binds to and cross-links many extracellular matrix components and cell-surface molecules. It has been shown that this protein |

#### **Target Details**

interacts with laminin, prolargin, collagen type IV, FGFBP1, FBLN2, FGF7 and transthyretin, etc., and it plays essential roles in multiple biological activities.

Aliases: Basement membrane specific heparan sulfate proteoglycan core protein antibody, Endorepellin (domain V region) antibody, Heparan sulfate proteoglycan of basement membrane antibody, HSPG 2 antibody, HSPG antibody, Hspg2 antibody, LG3 peptide antibody, Perlecan antibody, PGBM\_HUMAN antibody, PLC antibody, Schwartz Jampel syndrome 1 (chondrodystrophic myotonia) antibody, SJA antibody, SJS antibody, SJS1 antibody

UniProt: P98160

Pathways: Glycosaminoglycan Metabolic Process, Lipid Metabolism

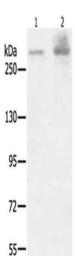
#### **Application Details**

| Application Notes: | ELISA:1:2000-1:5000, WB:1:200-1:1000, IHC:1:50-1:200, |
|--------------------|---|
|                    |   |

Restrictions: For Research Use only

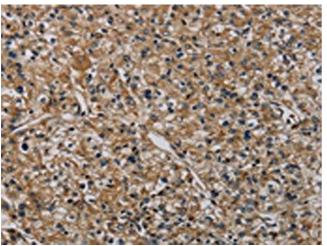
#### Handling

| Format:            | Liquid   |
|--------------------|--|
| Buffer:            | -20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C,-80 °C  |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.  |



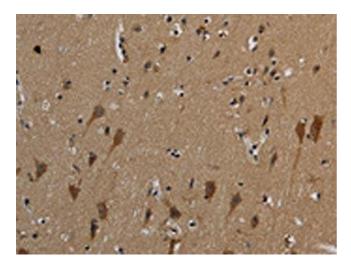
#### **Western Blotting**

**Image 1.** Gel: 6 % SDS-PAGE, Lysate: 40 μg, Lane 1-2: A549 cells, K562 cells, Primary antibody: ABIN7191019(HSPG2 Antibody) at dilution 1/200, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 40 seconds



#### **Immunohistochemistry**

**Image 2.** The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ABIN7191019(HSPG2 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x200)



#### **Immunohistochemistry**

**Image 3.** The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ABIN7191019(HSPG2 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x200)