



## Rabbit Anti-Heparanase 2/HPSE2 antibody

SL10485R

**Product Name** Heparanase 2/HPSE2

**Chinese Name** 乙酰肝素酶 2 抗体

**Alias** heparanase 2; heparanase 3; Heparanase-2; Heparanase 2; heparanase-like protein; Hpa2; HPR2; HPSE2\_HUMAN; UFS; Inactive heparanase-2.

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, )

**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA (Paraffin sections need antigen repair )  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Cellular localization** Extracellular matrix Secretory protein

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human Heparanase 2: 101-200/592

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

**Product Detail** This gene encodes a heparanase enzyme. The encoded protein is a endoglycosidase that degrades proteoglycans located on the extracellular matrix and cell surface. This protein may be involved in biological processes involving remodeling of the extracellular matrix including angiogenesis and tumor progression. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009].

**Function:**

Binds heparin and heparan sulfate with high affinity, but lacks heparanase activity. Inhibits HPS competing for its substrates (in vitro).

**Subunit:**

Interacts with HPSE. Interacts with SDC1 (via glycan chains).

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix.

**Tissue Specificity:**

Widely expressed, with the highest expression in brain, mammary gland, prostate, small intestine, uterus. In the central nervous system, expressed in the spinal chord, caudate nucleus, thalamus, s medulla oblongata, putamen and pons. In the urinary bladder, expressed in longitudinal and circular detrusor muscle. Found both in normal and cancer tissues.

**DISEASE:**

Urofacial syndrome 1 (UFS1) [MIM:236730]: A rare autosomal recessive disorder characterized by grimacing when attempting to smile and failure of the urinary bladder to void completely despite anatomical bladder outflow obstruction or overt neurological damage. Affected individuals often pass infected urine from the bladder to the upper renal tract, with a risk of kidney damage and renal failure. The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the glycosyl hydrolase 79 family.

**SWISS:**

Q8WWQ2

**Gene ID:**

60495

**Database links:**

[Entrez Gene: 60495](#) Human

[Entrez Gene: 545291](#) Mouse

[Entrez Gene: 368128](#) Rat

[Oimim: 613469](#) Human

[SwissProt: Q8WWQ2](#) Human

[SwissProt: B2RY83](#) Mouse

[SwissProt: Q71RP1](#) Rat



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[Unigene: 500750](#) Human

[Unigene: 676960](#) Human

[Unigene: 689544](#) Human

[Unigene: 442200](#) Mouse

[Unigene: 221883](#) Rat