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HPSE2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12994c

Product Information

Application	IHC-P, WB, E
Primary Accession	Q8WWQ2
Other Accession	B2RY83, NP_001159717.1
Reactivity	Human, Mouse
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32587
Calculated MW	66596
Antigen Region	451-480

Additional Information

Gene ID	60495
Other Names	Inactive heparanase-2, Hpa2, HPSE2, HPA2
Target/Specificity	This HPSE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 451-480 amino acids from the C-terminal region of human HPSE2.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HPSE2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HPSE2
Synonyms	HPA2
Function	Binds heparin and heparan sulfate with high affinity, but lacks heparanase

activity. Inhibits HPSE, possibly by competing for its substrates (in vitro).

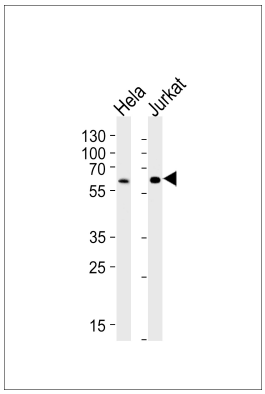
Cellular Location Secreted, extracellular space, extracellular matrix

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

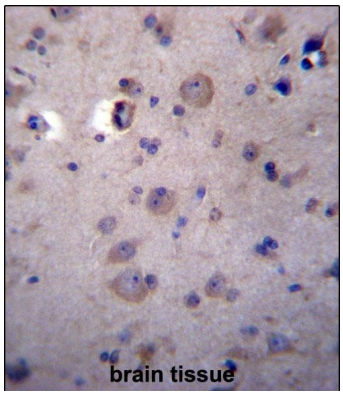
Background

Endoglycosidase which is a cell surface and extracellular matrix-degrading enzyme. Cleaves heparan sulfate proteoglycans (HSPGs) into heparan sulfate side chains and core proteoglycans. Also implicated in the extravasation of leukocytes and tumor cell lines. Due to its contribution to metastasis and angiogenesis, it is considered to be a potential target for anti-cancer therapies.

Images



Western blot analysis of lysates from HeLa, Jurkat cell line (from left to right), using HPSE2 Antibody (C-term)(Cat. #AP12994c). AP12994c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



HPSE2 Antibody (C-term) (Cat. #AP12994c)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HPSE2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.