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# Heparan Sulfate Proteoglycan

National Cancer Institute

## Source

National Cancer Institute. *Heparan Sulfate Proteoglycan*. NCI Thesaurus. Code C17300.

Heparan Sulfate Proteoglycan is an extracellular matrix and vascular basal lamina component. Heparan Sulfate is also an essential co-factor in cell-matrix adhesion processes, in cell-cell recognition systems, and in receptor-growth factor interactions. Degradation by heparanase is a key step in extravasation by tumor cells and migrating leukocytes, as well as in angiogenesis, wound healing, and smooth muscle proliferation. In basement membranes, heparan sulfate may stabilize other molecules and influence glomerular permeability and cell adhesion. (From OMIM 142461 and NCI)