

PSGL-1 Polyclonal Antibody

Catalog No :	YT5572
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	PSGL-1
Fields :	>>Cell adhesion molecules;>>Neutrophil extracellular trap formation;>>Staphylococcus aureus infection
Gene Name :	SELPLG
Protein Name :	P-selectin glycoprotein ligand 1
Human Gene Id :	6404
Human Swiss Prot No :	Q14242
Mouse Swiss Prot No :	Q62170
Immunogen :	The antiserum was produced against synthesized peptide derived from the N-terminal region of human SELPLG. AA range:1-50
Specificity :	PSGL-1 Polyclonal Antibody detects endogenous levels of PSGL-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 45 110kd(glycosylated)

Cell Pathway : Cell adhesion molecules (CAMs);

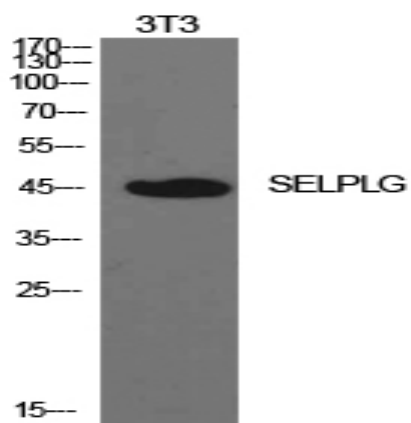
Background : This gene encodes a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L- selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2011],

Function : function:A SLe(x)-type glycan, which through high affinity, calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation. PSGL1 is critical for the initial leukocyte capture.,online information:P-selectin glycoprotein ligand 1 entry,PTM:Displays complex, core-2, sialylated and fucosylated O-linked oligosaccharides, at least some of which appear to contain poly-N-acetylglucosamine with varying degrees of substitution. Mainly disialylated or neutral forms of the core-2 tetrasaccharide, Galbeta1-->4GlcNAcbeta1-->6(Galbeta1-->3)GalNAcOH. The GlcN:GalN ratio is approximately 2:1 and the Man:Fuc ratio 3:5. Contains about 14% fucose with alpha-1,3 linkage present in two forms: One species is a disialylated, monofucosylated glycan, and the other, a monosialylated, trifucosylated glycan with a poly

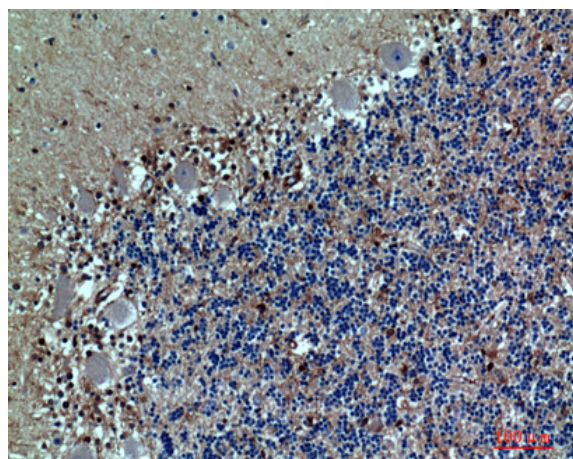
Subcellular Location : Membrane; Single-pass type I membrane protein.

Expression : Expressed on neutrophils, monocytes and most lymphocytes.

Products Images



Western Blot analysis of NIH-3T3 cells using PSGL-1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100