



# E-Selectin Polyclonal Antibody

<b>Catalog No</b>	BYab-10581
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	SELE ELAM1
<b>Protein Name</b>	E-Selectin
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human SELE. AA range:100-150
<b>Specificity</b>	E-Selectin Polyclonal Antibody detects endogenous levels of E-Selectin
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC-p: 100-300.WB 1:500-2000, ELISA 1:10000-20000. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	selectin E
<b>Observed Band</b>	66kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein.
<b>Tissue Specificity</b>	Umbilical vein endothelial cell,
<b>Function</b>	function:Cell-surface glycoprotein having a role in immunoadhesion. Mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with PSGL1/SELPLG. May have a role in capillary morphogenesis.,online information:E-selectin,polymorphism:A polymorphism in position 149 is associated with a higher risk of coronary artery disease (CAD). A significantly higher mutation frequency (Arg-149) is observed in patients with angiographically proven severe atherosclerosis compared with an unselected population (Ser-149).,similarity:Belongs to the selectin/LECAM family.,similarity:Contains 1 C-type lectin domain.,similarity:Contains 1 EGF-like domain.,similarity:Contains 6 Sushi (CCP/SCR) domains.,subunit:Interacts with PSGL1/SELPLG through the sialyl Lewis X epitope. PSGL1 sulfation appears not

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to be required for this interaction.,

**Background**

The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis. [provided by RefSeq, Jul 2008],

**matters needing attention**

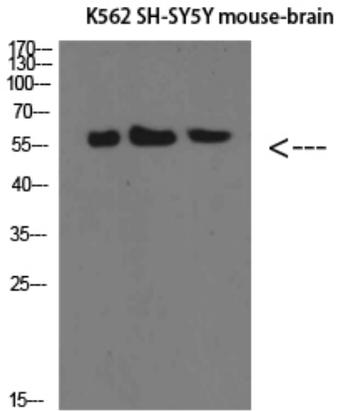
Avoid repeated freezing and thawing!

**Usage suggestions**

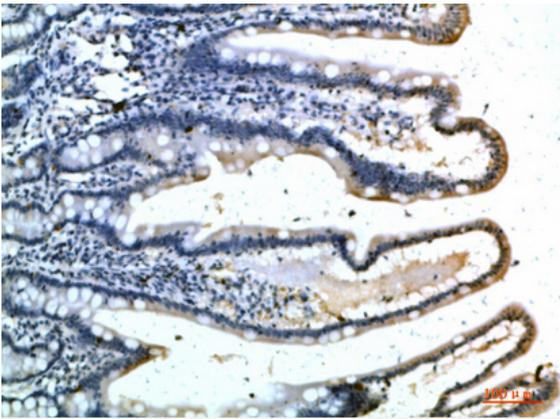
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



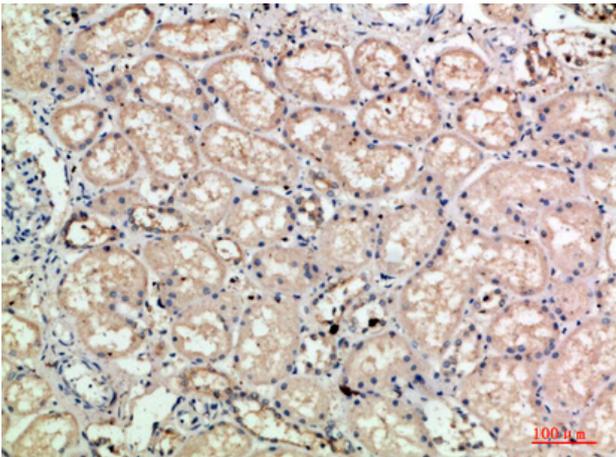
## Products Images



Western Blot analysis of K562 SH-SY5Y mouse-brain cells using E-Selectin Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

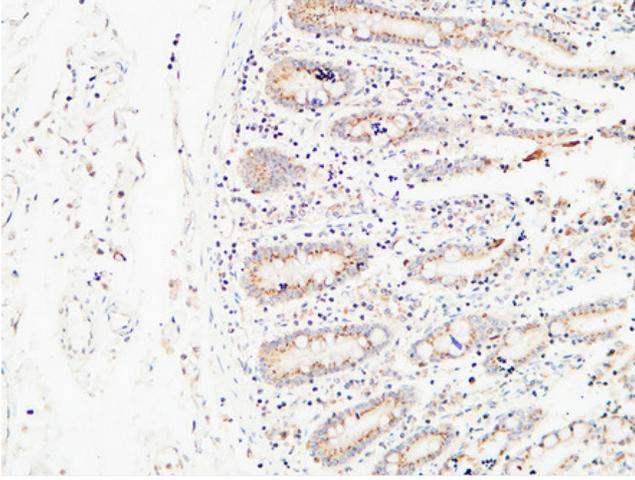


Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200

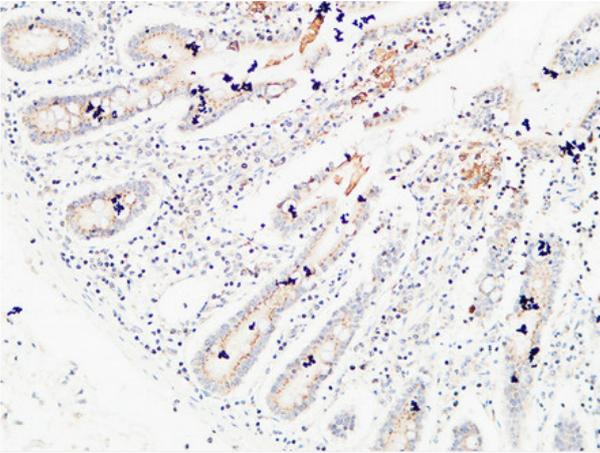


Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200

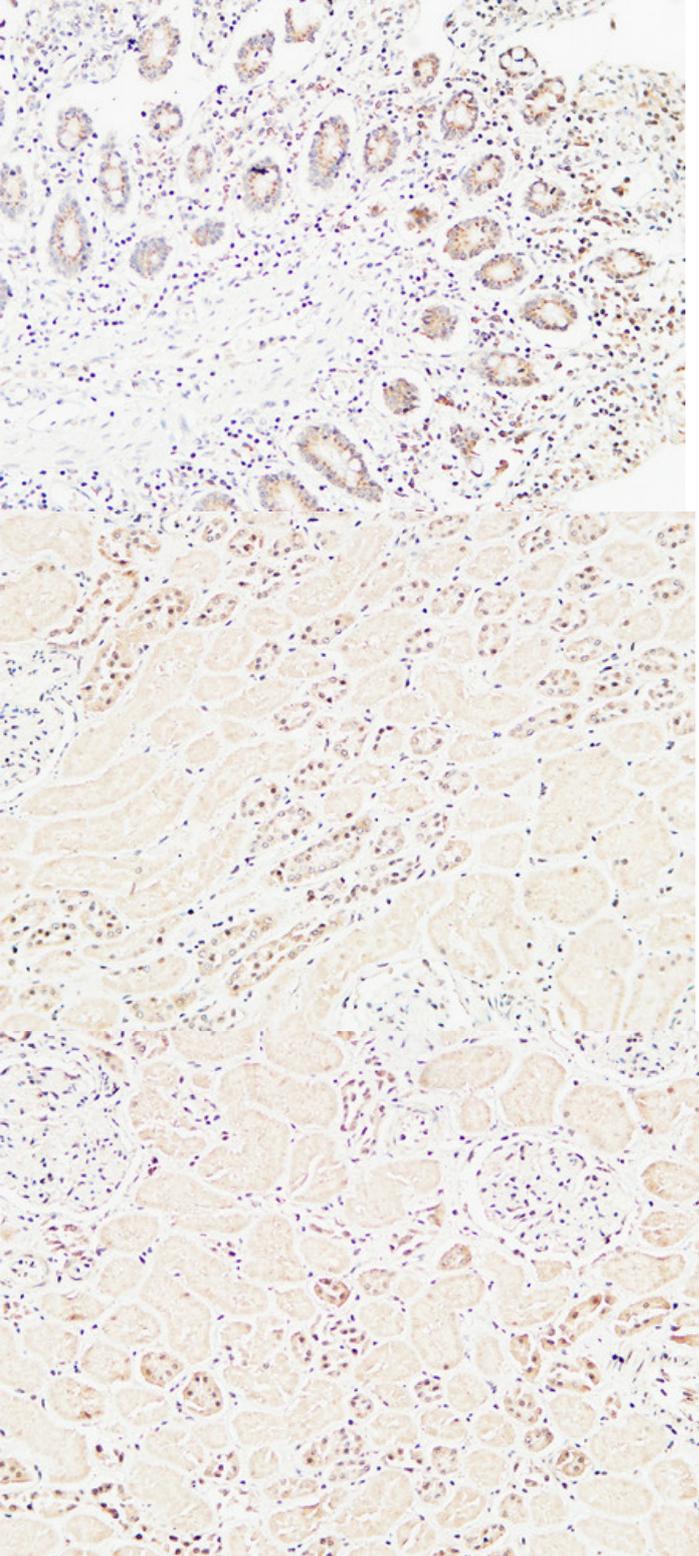
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Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).

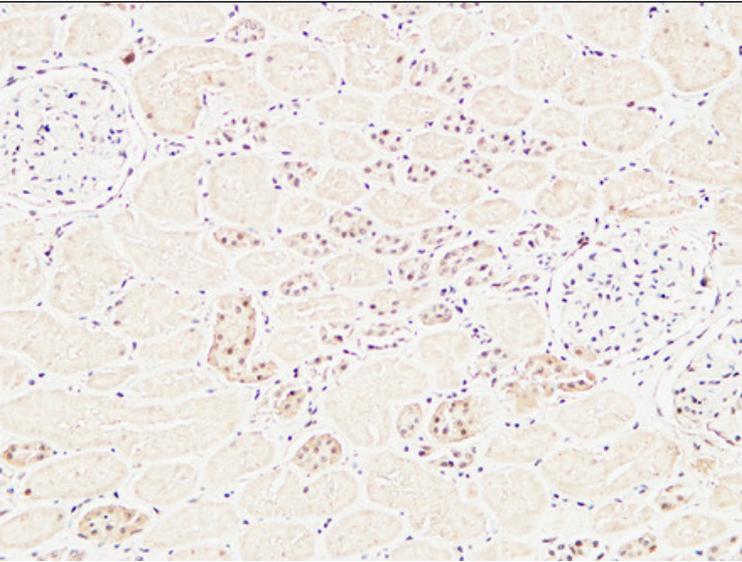


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