

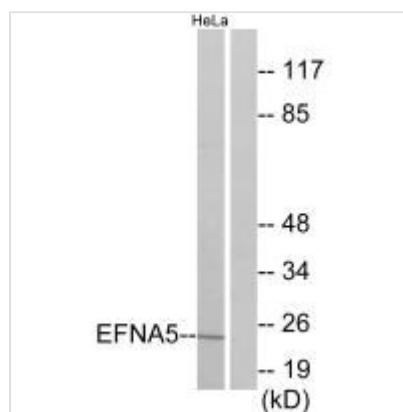


EFNA5 Antibody

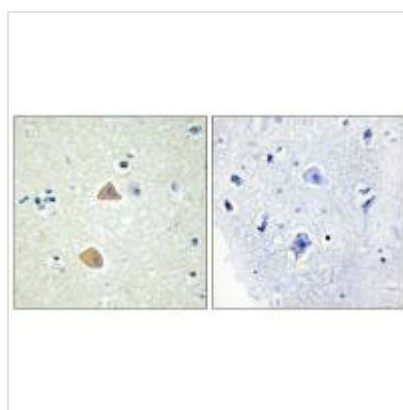
Product Code	CSB-PA905708
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P52803
Immunogen	Synthesized peptide derived from internal of Human EFNA5.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total EFNA5 protein.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:3000,IHC:1:50-1:100,IF:1:100-1:500
Relevance	Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Induces compartmentalized signaling within a caveolae-like membrane microdomain when bound to the extracellular domain of its cognate receptor. This signaling event requires the activity of the Fyn tyrosine kinase. Activates the EPHA3 receptor to regulate cell-cell adhesion and cytoskeletal organization. With the receptor EPHA2 may regulate lens fiber cells shape and interactions and be important for lens transparency maintenance. May function actively to stimulate axon fasciculation. The interaction of EFNA5 with EPHA5 also mediates communication between pancreatic islet cells to regulate glucose-stimulated insulin secretion. Cognate/functional ligand for EPHA7, their interaction regulates brain development modulating cell-cell adhesion and repulsion. Winslow J.W., Neuron 14:973-981(1995). Kozlosky C.J., Cytokine 9:540-549(1997). Davy A., Genes Dev. 13:3125-3135(1999).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Ephrin-A5 [Precursor]; EPH-related receptor tyrosine kinase ligand 7; LERK-7; AL-1; EFNA5
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	EFNA5



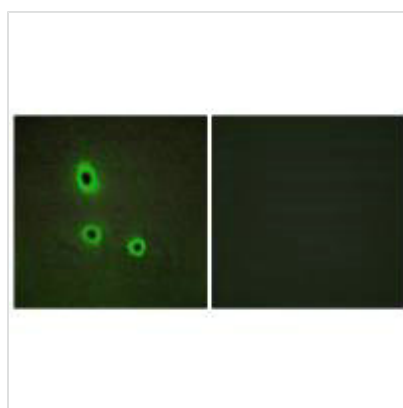
Image



Western blot analysis of extracts from HeLa cells, using EFNA5 antibody.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using EFNA5 antibody.



Immunofluorescence analysis of A549 cells, using EFNA5 antibody.