

Datasheet for ABIN7178845
anti-Ephrin A5 antibody (AA 21-203)



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Overview

Quantity:	100 µg
Target:	Ephrin A5 (EFNA5)
Binding Specificity:	AA 21-203
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin A5 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant Rat Ephrin-A5 protein (21-203AA)
Isotype:	IgG
Cross-Reactivity:	Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Ephrin A5 (EFNA5)
Alternative Name:	Efna5 (EFNA5 Products)
Background:	Background: 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

Target Details

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

Aliases: Efna5 antibody, Eplg7 antibody, Lerk7 antibody, Ephrin-A5 antibody, AL-1 antibody, EPH-related receptor tyrosine kinase ligand 7 antibody, LERK-7 antibody

UniProt: [P97605](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.