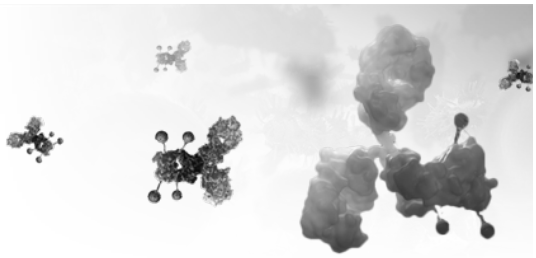

Anti-EFNA5 (aa 114-203) polyclonal antibody (DPAB-DC824)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Ephrin-A5, a member of the ephrin gene family, prevents axon bundling in cocultures of cortical neurons with astrocytes, a model of late stage nervous system development and differentiation. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands.
Immunogen	EFNA5 (NP_001953, 114 a.a. ~ 203 a.a) partial recombinant protein with GST tag. The sequence is FSEKFQLFTPFSLGFEFRPGREYFYISSAIPDNGRRSCLKLKVFVRPTNSCMKTIGVHDR VFDVNDKVENSLEPADDTVHESAEPSRGEN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	EFNA5 ephrin-A5 [Homo sapiens (human)]
Official Symbol	EFNA5
Synonyms	EFNA5; ephrin-A5; AF1; EFL5; RAGS; EPLG7; GLC1M; LERK7; AL-1; LERK-7; eph-related receptor tyrosine kinase ligand 7;
Entrez Gene ID	1946
Protein Refseq	NP_001953
UniProt ID	P52803
Chromosome Location	5q21
Pathway	Axon guidance; EPHA forward signaling; Ephrin A reverse signaling; PI3K-Akt signaling pathway
Function	chemorepellent activity; ephrin receptor binding;

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