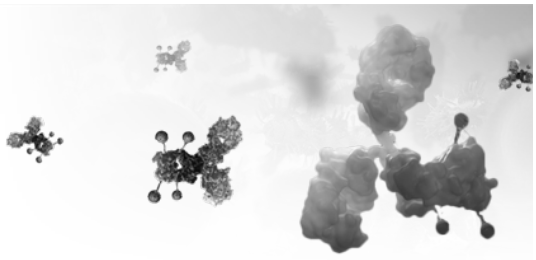

Human EPHB2 blocking peptide (CDBP1139)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-EPHB2/DRT/Nuk antibody
Antigen Description	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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 divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	EPHB2 EPH receptor B2 [Homo sapiens (human)]
Official Symbol	EPHB2

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	EPHB2; EPH receptor B2; DRT; EK5; ERK; CAPB; Hek5; PCBC; EPHT3; Tyro5; ephrin type-B receptor 2; EPH-like kinase 5; eph tyrosine kinase 3; elk-related tyrosine kinase; protein-tyrosine kinase HEK5; tyrosine-protein kinase TYRO5; renal carcinoma antigen NY-REN-47; tyrosine-protein kinase receptor EPH-3; developmentally-regulated Eph-related tyrosine kinase;
Entrez Gene ID	2048
mRNA Refseq	NM_004442.6
Protein Refseq	NP_004433.2
UniProt ID	P29323
Chromosome Location	1p36.1-p35
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EPHB forward signaling, organism-specific biosystem; Ephrin B reverse signaling, organism-specific biosystem; EphrinB-EPHB pathway, organism-specific biosystem; Keap1-Nrf2 Pathway, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; MAP kinase cascade, organism-specific biosystem; NLR proteins, or
Function	ATP binding; axon guidance receptor activity; protein binding; protein tyrosine kinase activity; receptor binding; transmembrane-ephrin receptor activity; transmembrane-ephrin receptor activity;

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