

Rat Neuropilin-2 AccuSignal ELISA Kit - KOA0810

Code: KOA0810

Size: 1 Kit

Product Description: Rat Neuropilin-2 AccuSignal ELISA Kit - KOA0810

PhysicalState:

Label	Unconjugated
Gene Name	NRP2
Species Reactivity	Rat
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	MGC126574, Neuropilin 2, Neuropilin-2, Neuropilin2, NP 2, NP2, NPN 2, NPN2, NRP 2, Nrp2, NRP2_HUMAN, PRO2714, Receptor for VEGF165 and semaphorins class3, Vascular endothelial cell growth factor 165 receptor 2, Vascular endothelial growth factor 165 receptor 2, VEGF1265R2, VEGF165R2
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml rat Neuropilin-2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, cell lysates or tissue homogenates to each empty well. It is recommended that each rat Neuropilin-2 standard solution and each sample be measured in duplicate.
Background	NRP2(Neuropilin-2), also called Npn2 or VEGF165R2, encodes a member of the neuropilin family of receptor proteins. The soluble NRP2 was secreted as a 62.5-kD protein following transfection in Chinese hamster ovary cells. The NRP2 gene is mapped to 2q33.3. The NRP2 gene contains 17 exons and spans about 112 kb. This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Mice with null mutations in genes encoding Sema3F, and its holoreceptor components Npn2 and plexin A3 (PLEXA3), exhibit increased dentate gyrus granule cell and cortical layer V pyramidal neuron spine number and size, and also aberrant spine distribution. Moreover, Sema3F promotes loss of spines and excitatory synapses in dissociated neurons in vitro, and in NRP2-null brain slices cortical layer V and dentate gyrus granule cells exhibit increased miniature excitatory postsynaptic current frequency. These disparate effects of secreted semaphorins are reflected in the restricted dendritic localization of NRP2 to ...
Purity And Specificity	Natural and recombinant rat Neuropilin-2. There is no detectable cross-reactivity with other relevant proteins.
ELISA	156pg/ml-10,000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: Q23-D857
Related Products	

MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
100-401-M61	E.coli HCP Antibody100-401-M61

Related Links

UniProtKB - O35276

<http://www.uniprot.org/uniprot/O35276>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_110496.1
 NP_110496.1

GeneID - 81527

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=81527>

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