

Rat NRP2 Antibody Pair Set

Catalog No. E-KAB-0387

Applications

ELISA

Synonyms NRP2

Kit components & Storage

Title	Specifications	Storage
Rat NRP2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Rat NRP2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

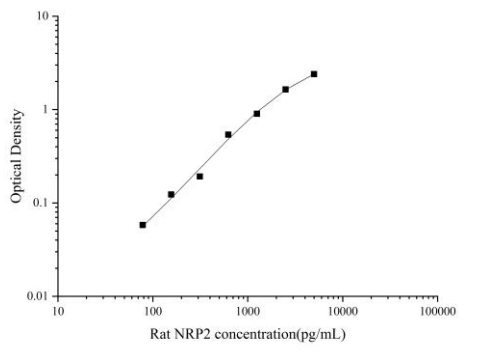
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0387)	
		Rat NRP2 Capture Antibody	Rat NRP2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat NRP2 protein	Recombinant Rat NRP2 protein
	Swissprot	O35276	
Product details	Reactivity	Rat	Rat
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Rat NRP2 in ELISAs.	

Applications

Rat NRP2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Rat NRP2 Capture Antibody	 <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Rat NRP2 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.05</td> </tr> <tr> <td>200</td> <td>0.1</td> </tr> <tr> <td>500</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.4</td> </tr> <tr> <td>2000</td> <td>0.8</td> </tr> <tr> <td>5000</td> <td>1.5</td> </tr> <tr> <td>10000</td> <td>2.5</td> </tr> </tbody> </table>	Rat NRP2 concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.2	1000	0.4	2000	0.8	5000	1.5	10000	2.5
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ELISA Detection	1:1000-1:10000	Rat NRP2 Detection Antibody (Biotin)																	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene.