

ARG83465
Rat PLXNA3 / Plexin-A3 ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83465 Rat PLXNA3 / Plexin-A3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat PLXNA3 / Plexin-A3 in Serum, plasma and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	PLXNA3 / Plexin-A3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Alternate Names	PLXNA3; Plexin A3; XAP-6; Plxn3; PLXN4; SEX; 6.3; Semaphorin Receptor SEX; Plexin-A3; Plexin-4; Sex Chromosome X Transmembrane Protein Of HGF Receptor Family 3; HSSEXGENE

Application Instructions

Assay Time	3.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PLXNA3
Gene Full Name	Plexin A3
Background	This gene encodes a member of the plexin class of proteins. The encoded protein is a class 3 semaphorin receptor, and may be involved in cytoskeletal remodeling and as well as apoptosis. Studies of a similar gene in zebrafish suggest that it is important for axon pathfinding in the developing nervous system. This gene may be associated with tumor progression. [provided by RefSeq, Aug 2013]
Function	Coreceptor for SEMA3A and SEMA3F. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous system. Regulates the migration of sympathetic neurons, but not of neural crest precursors. Required for normal dendrite spine morphology in pyramidal neurons. May play a role in regulating semaphorin-

mediated programmed cell death in the developing nervous system. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.

PTM

Disulfide bond, Glycoprotein, Phosphoprotein

Cellular Localization

Cell membrane, Membrane