SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CNTF Receptor alpha antibody

Catalog Number: SL1516R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CNTF Receptor alpha
Immunogen:	KLH conjugated synthetic peptide derived from human CNTFR Alpha: 151-160/372
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Rabbit, Sheep)
Predicted MW.:	36kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a member of the type 1 cytokine receptor family. The encoded protein is the ligand-specific component of a tripartite receptor for ciliary neurotrophic factor, which plays a critical role in neuronal cell survival, differentiation and gene expression. Binding of ciliary neurotrophic factor to the encoded protein recruits the transmembrane components of the receptor, gp130 and leukemia inhibitory factor receptor, facilitating signal transduction. Single nucleotide polymorphisms in this gene may be associated with variations in muscle strength, as well as early onset of eating disorders. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2011]. **Function:** Binds to CNTF. The alpha subunit provides the receptor specificity. **Subunit:** Heterotrimer of the alpha subunit, LIFR and IL6ST. **Subcellular Location:** Cell membrane; Lipid-anchor, GPI-anchor. **Tissue Specificity:** Nervous system and skeletal muscle.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Belongs to the type I cytokine receptor family. Type 3 subfamily. Contains 2 fibronectin type-III domains. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 442941 Dog **Entrez Gene:** 1271 Human **Entrez Gene:** 12804 Mouse **Entrez Gene:** 313173 Rat Omim: 118946 Human **SwissProt:** Q71DR4 Dog **SwissProt:** P26992 Human **SwissProt:** O88507 Mouse **SwissProt:** Q08406 Rat **Unigene:** 129966 Human **Unigene:** 425178 Mouse **Unigene:** 55036 Rat Neurobiology-related protein (Neurobiology) CNTFRαIt is a specific binding protein of CNTF. After peripheral nerve injury, CNTF and its receptor exhibit specific change patterns and regulatory mechanisms, and play an important role in regeneration after nerve injury.

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