SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-ARMETL1/AF647 Conjugated antibody

Catalog Number: SL11499R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ARMETL1/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human ARMETL1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Background:	background: CDNF is an ARMET family member that is known to be a trophic factor for dopamine neurons. CDNF has been shown to prevent the 6-hydroxydopamine (6-OHDA)-induced degeneration of dopaminergic neurons. CDNF application will restore the dopaminergic function that is reduced by lesions formed from administering 6-OHDA. CDNF further prevents the degeneration of dopaminergic neurons in substantia nigra. CDNF is expressed at high levels in the heart, skeletal muscle, testis and brain. In brain, CDNF has selective expression with the highest being detected in the Purkinje cells of the cerebellum and in regions of the brain stem, including the locus coeruleus. **Function:** Trophic factor for dopamine neurons. Prevents the 6-hydroxydopamine (6-OHDA)-induced degeneration of dopaminergic neurons. When administered after 6-OHDA-lesioning, restores the dopaminergic function and prevents the degeneration of dopaminergic neurons in substantia nigra.

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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	Subcellular Location: Secreted. **Tissue Specificity:** Widely expressed in neuronal and non-neuronal tissues. In the brain, highest levels in the optic nerve and corpus callosum. **Similarity:** Belongs to the ARMET family. **Database links:** **Entrez Gene:** 441549 Human Omim: 611233 Human **SwissProt:** Q49AH0 Human **Unigene:** 559067 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.