

## Rabbit Anti-ARMETL1/Cy5 Conjugated antibody

SL11499R-Cy5

<b>Product Name</b>	Anti-ARMETL1/Cy5
<b>Chinese Name</b>	Cy5 标记的脑多巴胺神经营养因子抗体
<b>Alias</b>	CDNF; Arginine rich mutated in early stage tumors like 1; ARMET L1; ARMET like protein 1; ARMET-like protein 1; ARMETL 1; Cdnf; CDNF_HUMAN; Cerebral dopamine neurotrophic factor; Conserved dopamine neurotrophic factor.
<b>Research Area</b>	Cell biology Neurobiology Growth factors and hormones
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
<b>Applications</b>	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.
<b>Molecular weight</b>	18kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human ARMETL1
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	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.
<b>Product Detail</b>	<b>background:</b> 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. CDFN further prevents the degeneration of dopaminergic neurons in substantia nigra. CDFN is expressed at high levels in the heart, skeletal muscle, testis and brain. In brain, CDFN 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.

**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.