

Artn Polyclonal Antibody

Catalog # AP74148

Product Information

| | |
|-------------------|------------------------|
| Application | IHC-P |
| Primary Accession | Q5T4W7 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 22878 |

Additional Information

| | |
|--------------------|---|
| Gene ID | 9048 |
| Other Names | Artemin (Enovin) (Neublastin) |
| Dilution | IHC-P~~IHC-p 1:50-200, ELISA 1:10000-20000 |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| Storage Conditions | -20°C |

Protein Information

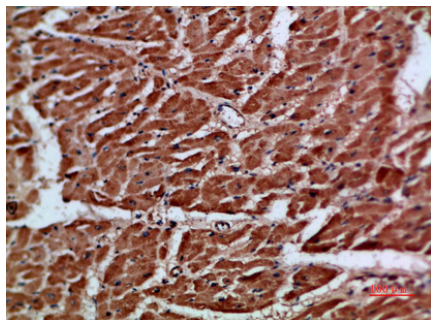
| | |
|-------------------|---|
| Name | ARTN {ECO:0000303 PubMed:9883723, ECO:0000312 HGNC:HGNC:727} |
| Function | Growth factor that supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain (PubMed: 10583383 , PubMed: 9883723). Acts by binding to its coreceptor, GFRA3, leading to autophosphorylation and activation of the RET receptor (PubMed: 31535977). Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue (By similarity). |
| Cellular Location | Secreted. |
| Tissue Location | Ubiquitous. Expressed at high levels in peripheral tissues including prostate, placenta, pancreas, heart, kidney, pituitary gland, lung and testis. Expressed at low levels in the brain |

Background

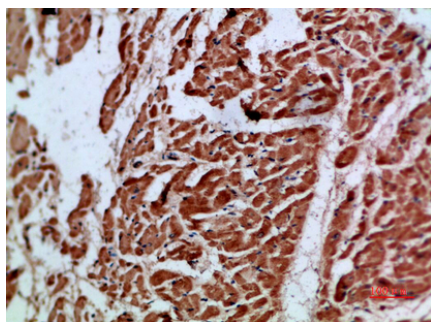
Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor

complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain. Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue.

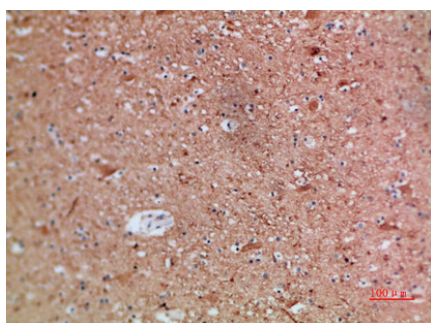
Images



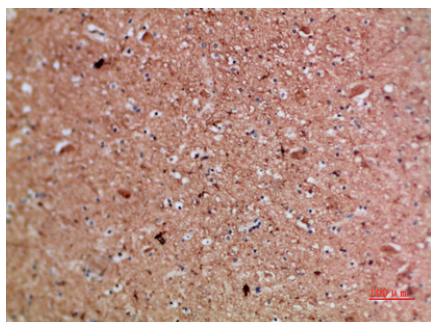
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.