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Artn Polyclonal Antibody

Catalog # AP74148

Product Information

Application	IHC-P, IF, ICC, E
Primary Accession	Q5T4W7
Reactivity	Human, Rat, Mouse
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 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

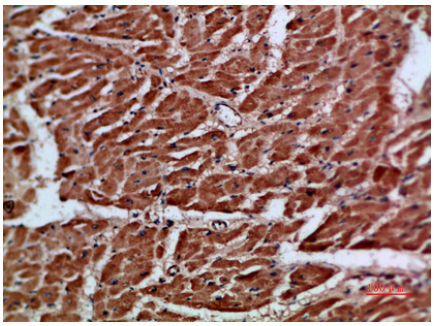
Name	ARTN {ECO:0000303|PubMed:9883723, ECO:0000312|HGNC:HGNC:727}
Function	Growth factor that supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain (PubMed:10583383, PubMed:9883723). Acts by binding 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

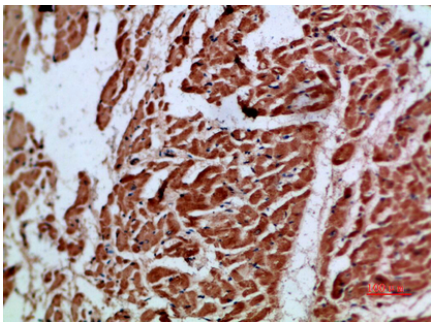
Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor

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.

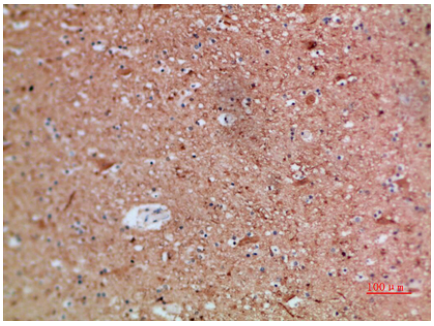
Images



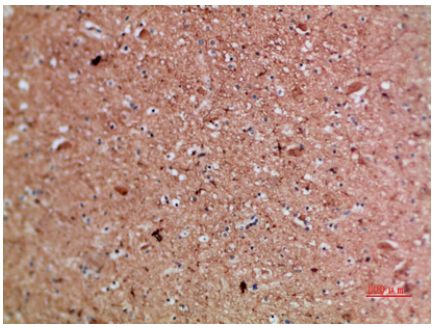
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:200



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'.