ARG56568
anti-VGF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes VGF
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	VGF
Species	Human
Immunogen	Synthetic peptide (17 aa) within the last 50 aa of Human VGF.
Conjugation	Un-conjugated
Alternate Names	SCG7; NERP-1; NERP-2; SgVII; Neurosecretory protein VGF

Application Instructions

Application table

Application	Dilution
ICC/IF	20 µg/ml
IHC-P	5 µg/ml
WB	0.5 - 1 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Human Brain Tissue Lysate

Properties

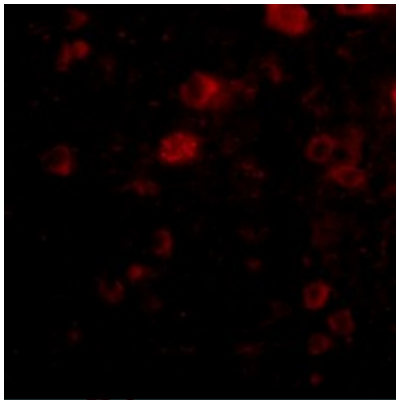
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

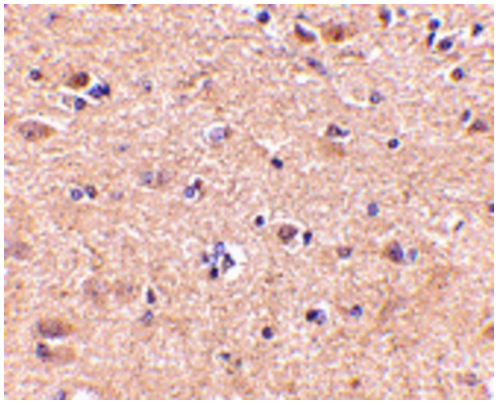
Database links	GeneID: 7425 Human Swiss-port # O15240 Human
Gene Symbol	VGF
Gene Full Name	VGF nerve growth factor inducible
Background	This gene is specifically expressed in a subpopulation of neuroendocrine cells, and is upregulated by nerve growth factor. The structural organization of this gene is similar to that of the rat gene, and both the translated and the untranslated regions show a high degree of sequence similarity to the rat gene. The encoded secretory protein also shares similarities with the secretogranin/chromogranin family, however, its exact function is not known. [provided by RefSeq, Jul 2008]
Function	May be involved in the regulation of cell-cell interactions or in synatogenesis during the maturation of the nervous system. NERP peptides are involved in the control of body fluid homeostasis by regulating vasopressin release. Antimicrobial peptide VGF[554-577]: Has bactericidal activity against M. luteus, and antifungal activity against P. Pastoris. [UniProt]
Calculated Mw	67 kDa
PTM	Multiple peptides are derived from VGF, with activities in synaptic plasticity, antidepression, penile erection, autonomic activation, and increases in energy expenditure.

Images



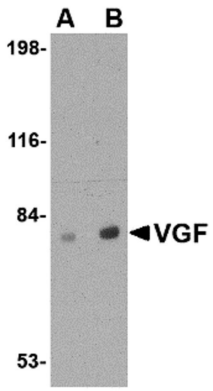
ARG56568 anti-VGF antibody ICC/IF image

Immunofluorescence: Human Brain cells stained with ARG56568 anti-VGF antibody at 20 µg/ml dilution.



ARG56568 anti-VGF antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG56568 anti-VGF antibody at 5 µg/ml dilution.



ARG56568 anti-VGF antibody WB image

Western blot: Human brain tissue lysate stained with ARG56568 anti-VGF antibody at (A) 0.5 and (B) 1 µg/ml dilution.