

# VGF antibody - middle region (ARP42128\_P050)

## Data Sheet

<b>Product Number</b>	ARP42128_P050
<b>Product Name</b>	VGF antibody - middle region (ARP42128_P050)
<b>Size</b>	50ug
<b>Gene Symbol</b>	<a href="#">VGF</a>
<b>Alias Symbols</b>	-
<b>Nucleotide Accession#</b>	<a href="#">NM_003378</a>
<b>Protein Size (# AA)</b>	615 amino acids
<b>Molecular Weight</b>	65kDa
<b>Product Format</b>	Lyophilized powder
<b>NCBI Gene Id</b>	7425
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Official Gene Full Name</b>	VGF nerve growth factor inducible
<b>Description</b>	This is a rabbit polyclonal antibody against VGF. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
<b>Target Reference</b>	Wedenoja,J., (er) Mol. Psychiatry (2007) In press
<b>Partner Proteins</b>	PPFIA1, PPFIA2, PPFIA3, PPFIBP1, PTPRM, S100A4, YWHAG, PPFIA1, PPFIA2, PPFIBP1, S100A4, SFN, YWHAG, YWHAQ
<b>Description of Target</b>	VGF is specifically expressed in a subpopulation of neuroendocrine cells, and is upregulated by nerve growth factor. It also shares similarities with the secretogranin/chromogranin family, however, its exact function is not known. 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.
<b>Blocking Peptide</b>	For anti-VGF antibody is Catalog # AAP42128 (Previous Catalog # AAPS11701)
<b>Immunogen</b>	The immunogen for anti-VGF antibody: synthetic peptide directed towards the middle region of human VGF
<b>Lead Time</b>	Domestic: within 24 hours delivery International: 3-5 business days
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">VRSPQPPPPAPAPARDELPDWNEVLPPWDREEDEVYPPGPYHPFPNYIRP</a>
<b>Reconstitution and Storage</b>	Add 50 ul of distilled water. Final anti-VGF antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
<b>Swissprot Id</b>	<a href="#">O15240</a>
<b>Protein Name</b>	Neurosecretory protein VGF
<b>Protein Accession #</b>	<a href="#">NP_003369</a>
<b>Purification</b>	Affinity Purified
<b>Species Reactivity</b>	Human, Yeast, Zebrafish, Rat, Dog, Mouse, Horse, Pig
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Human: 100%; Yeast: 92%; Dog: 91%; Rat: 91%; Zebrafish: 91%; Mouse: 86%; Pig: 85%; Horse: 85%

Human THP-1



Image 1



**WB Suggested Anti-VGF Antibody Titration:** 0.2-1  
ug/ml  
**ELISA Titer:** 1:62500  
**Positive Control:** THP-1 cell lysate

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.