

**VGF Antibody (aa454-503)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13976****Specification**

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**VGF Antibody (aa454-503) - Product Information**

Application	WB
Primary Accession	<a href="#">O15240</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67kDa KDa

**VGF Antibody (aa454-503) - Additional Information****Gene ID** 7425**Other Names**

Neurosecretory protein VGF, Neuroendocrine regulatory peptide-1, NERP-1, Neuroendocrine regulatory peptide-2, NERP-2, Antimicrobial peptide VGF[554-577], VGF

**Target/Specificity**

VGF Antibody detects endogenous levels of total VGF protein.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

VGF Antibody (aa454-503) is for research use only and not for use in diagnostic or therapeutic procedures.

**VGF Antibody (aa454-503) - Protein Information****Name** VGF**Function**

[Neurosecretory protein VGF]: Secreted polyprotein that is packaged and proteolytically processed by prohormone convertases PCSK1 and PCSK2 in a cell-type-specific manner (By similarity). VGF and peptides derived from its processing play many roles in neurogenesis and neuroplasticity associated with learning, memory, depression and chronic pain (By similarity).

**Cellular Location**

[Neurosecretory protein VGF]: Secreted. Cytoplasmic vesicle, secretory vesicle. Note=Stored in secretory vesicles and then secreted, NERP peptides colocalize with vasopressin in the storage granules of hypothalamus

**Tissue Location**

Central and peripheral nervous systems, synthesized exclusively in neuronal and neuroendocrine

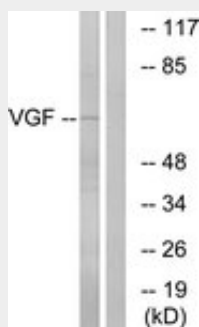
cells

### VGF Antibody (aa454-503) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### VGF Antibody (aa454-503) - Images



Western blot of extracts from RAW264.7 cells, using VGF Antibody.

### VGF Antibody (aa454-503) - Background

May be involved in the regulation of cell-cell interactions or in synaptogenesis during the maturation of the nervous system. Antimicrobial peptide VGF[554-577]: Has bactericidal activity against *M. luteus*, and antifungal activity against *P. Pastoris*.

### VGF Antibody (aa454-503) - References

- Canu N.,et al.Genomics 45:443-446(1997).  
Hillier L.W.,et al.Nature 424:157-164(2003).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Sasaki K.,et al.Mol. Cell. Proteomics 12:700-709(2013).  
Toshinai K.,et al.Cell. Mol. Life Sci. 66:1939-1945(2009).