

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

VGF Antibody (aa454-503) - Product Information

Application	WB
Primary Accession	O15240
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

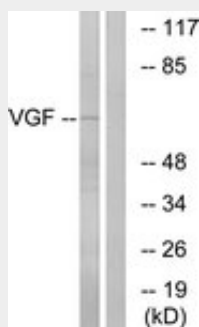
cells

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).