

VGF Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12353**Specification**

VGF Antibody (C-Terminus) - Product Information

Application	IF, IHC
Primary Accession	O15240
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67kDa KDa

VGF Antibody (C-Terminus) - 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

The immunogen is after amino acid 577 of O15240, so the antibody should only cross-react with full-length VGF and none of the processed peptides.

Reconstitution & Storage

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

Precautions

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

VGF Antibody (C-Terminus) - 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

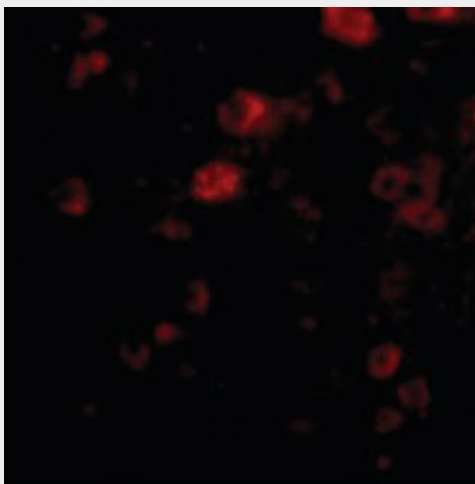
Central and peripheral nervous systems, synthesized exclusively in neuronal and neuroendocrine cells

VGF Antibody (C-Terminus) - Protocols

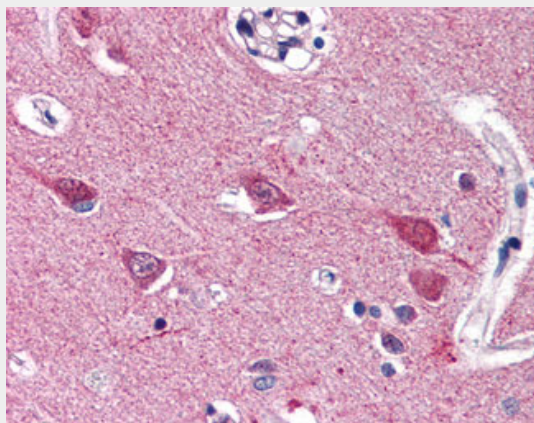
Provided below are standard protocols that you may find useful for product applications.

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

VGF Antibody (C-Terminus) - Images



Immunofluorescence of VGF in Human Brain cells with VGF antibody at 20 ug/ml.



Anti-VGF antibody IHC of human brain, cortex.

VGF Antibody (C-Terminus) - Background

May be involved in the regulation of cell-cell interactions or in synatogenesis 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 (C-Terminus) - 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).