

VGF Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51609**Specification**

VGF Antibody - Product Information

Application	WB
Primary Accession	O15240
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90 KDa
Antigen Region	431 - 490

VGF Antibody - 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

KLH conjugated synthetic peptide derived from human VGF

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

VGF Antibody - 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

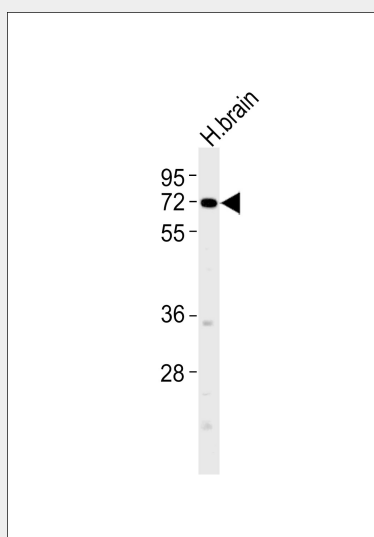
Tissue Location

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

VGF Antibody - 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 - Images

Anti-VGF Antibody at 1:1000 dilution + human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

VGF Antibody - Background

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

VGF Antibody - 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).