

VGF Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51609

Product Information

Application	WB
Primary Accession	O15240
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67258

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

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

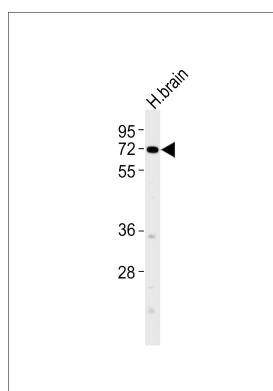
Background

May be involved in the regulation of cell-cell interactions or in synatogenesis 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*.

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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.