

## Product datasheet for **AP01489PU-M**

### VGF Rabbit Polyclonal Antibody

#### Product data:

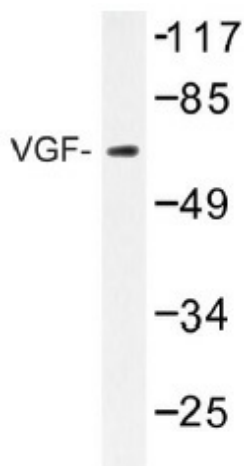
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	VGF antibody detects endogenous levels of VGF protein. (region surrounding Lys458)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 67 kDa
Gene Name:	VGF nerve growth factor inducible
Database Link:	<a href="#">Entrez Gene 7425 Human</a> <a href="#">O15240</a>
Background:	Nerve growth factor (NGF) is a peptide that plays a key role in the differentiation and survival of neurons in the peripheral nervous system (PNS) and the central nervous system (CNS). VGF is a peptide synthesized and secreted by neurons and is upregulated by NGF in the PC12 cell line. VGF is widely expressed in both the PNS and CNS, but is especially abundant in the adult hypothalamus. VGF plays an essential role in how the brain regulates energy expenditure and body weight. Its expression is rapidly induced by injury, the circadian clock, and neuronal activity.



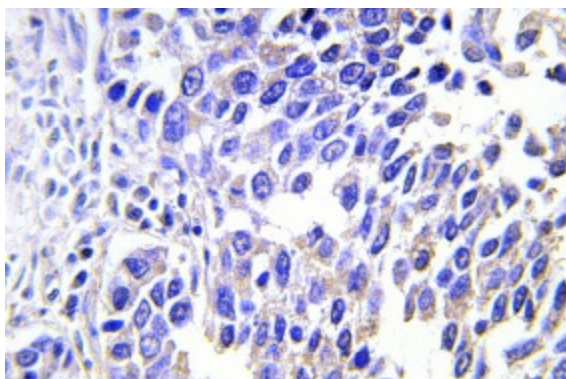
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**Synonyms:** Neurosecretory protein VGF

**Product images:**



Western blot (WB) analysis of VGF antibody (Cat.-No.: [AP01489PU-N]) in extracts from RAW264.7 cells.



Immunohistochemistry (IHC) analysis of VGF antibody (Cat.-No.: [AP01489PU-N]) in paraffin-embedded human lung carcinoma tissue.