

# VGF Polyclonal antibody

Catalog Number: 26781-1-AP

3 Publications

## Basic Information

**Catalog Number:**

26781-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG24820

**GenBank Accession Number:**

BC063835

**GeneID (NCBI):**

7425

**UNIPROT ID:**

O15240

**Full Name:**

VGF nerve growth factor inducible

**Calculated MW:**

615 aa, 67 kDa

**Observed MW:**

67 kDa, 90-100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human

**Positive Controls:**

WB : K-562 cells, mouse brain tissue

## Background Information

VGF encodes a neuropeptide precursor with specific expression in a subpopulation of neuroendocrine cells, and it is upregulated by nerve growth factor. The expression of VGF is developmentally regulated in different areas of the brain (PubMed: 18406753). Exercise upregulated expression of VGF in mouse hippocampus, and a synthetic Vgf-derived peptide produced an antidepressant response in mice (PubMed: 18059283). VGF can be detected the precursor form of 90-100 kDa before proteolytic cleavage (PMID:24934694, PMID:10433233).

## Notable Publications

Author	Pubmed ID	Journal	Application
Erin M Masucci	34705476	Mol Biol Cell	IF
Weiqi Dai	38041128	J Exp Clin Cancer Res	WB, IHC
Kesong Shi	37742030	Clin Epigenetics	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

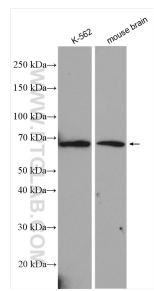
For technical support and original validation data for this product please contact:

T: 4006900926

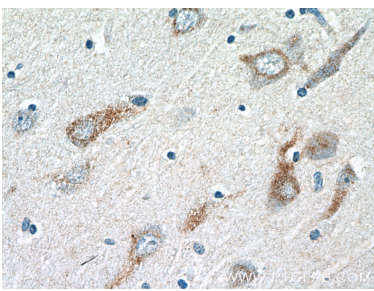
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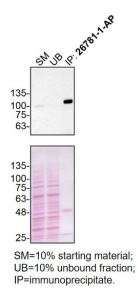
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26781-1-AP (VGF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 26781-1-AP (VGF Antibody) at dilution of 1:200 (under 40x lens).



U2OS lysates prepared and IP of VGF performed using 1.0  $\mu$ g of 26781-1-AP coupled to protein A-Sepharose beads. The Ponceau stained transfers of each blot are shown. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.