

For Research Use Only

VGF Polyclonal antibody

Catalog Number: 26781-1-AP

3 Publications



Basic Information

Catalog Number:

26781-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

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:

WB, IP, 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

*** 20ul sizes contain 0.1% BSA

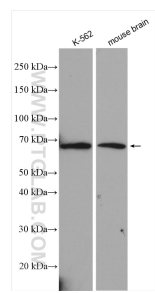
For technical support and original validation data for this product please contact:

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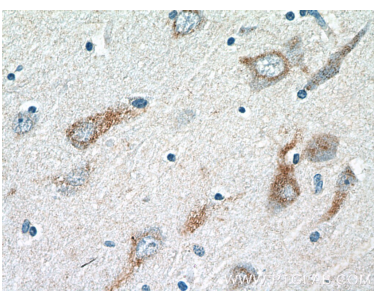
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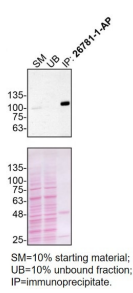
Selected Validation Data



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 µg 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.