

For Research Use Only

VGF Polyclonal antibody

Catalog Number: 26781-1-AP

3 Publications



Basic Information

Catalog Number: 26781-1-AP	GenBank Accession Number: BC063835	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7425	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: VGF nerve growth factor inducible	
Isotype: IgG	Calculated MW: 615 aa, 67 kDa	
Immunogen Catalog Number: AG24820	Observed MW: 67 kDa, 90-100 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : K-562 cells, mouse brain tissue
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human	

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

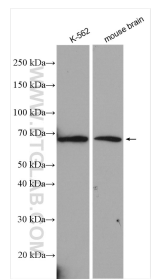
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

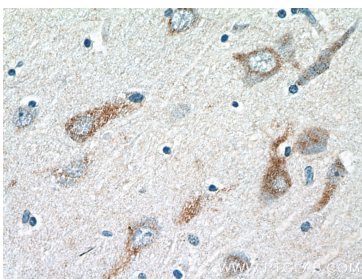
For technical support and original validation data for this product please contact:
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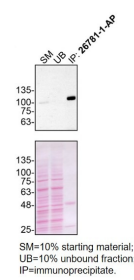
Selected Validation Data



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.