

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Neurogranin



Numéro de catalogue: 10440-1-AP

3 Publications

Informations de base

Numéro de catalogue:
10440-1-AP

Taille:
150ul , Concentration: 1000 µg/ml by Nanodrop and 527 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0676

Numéro d'acquisition GenBank:
BC002835

Identification du gène (NCBI):
neurogranin (protein kinase C substrate, RC3)

MW calculé:
7.6 kDa

MW observés:
15 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:50-1:500

Applications

Applications testées:
IHC, IP, WB, ELISA

Demandes citées:
IF, IHC

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu cérébral de souris,

IP : tissu cérébral de souris,

IHC : tissu cérébral de souris,

Informations générales

Neurogranin (formerly designated p17, also known as Ng, RC3 and BICKS) belongs to the neurogranin family. It is a neuron-specific substrate for protein kinase C (PKC). It is a postsynaptic protein that is highly enriched in brain, with restricted expression in the cortex, striatum, hippocampus, thalamus, hypothalamus and olfactory bulb nuclei. Neurogranin binds calmodulin at low levels of calcium, thereby regulating calmodulin-dependent nitric oxide synthase. Neurogranin acts as a "third messenger" substrate of protein kinase C-mediated molecular cascades during synaptic development and remodeling. It binds to calmodulin in the absence of calcium. The observed molecular weight of human NRG by Western blotting is about 15-17 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Marina Di Domenico	34571959	Cells	IF
Kira Kleszka	33154420	Sci Rep	IHC
Ingrid Ehrmann	30674417	Elife	

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

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

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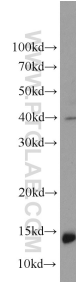
E: proteintech@ptglab.com
W: ptglab.com

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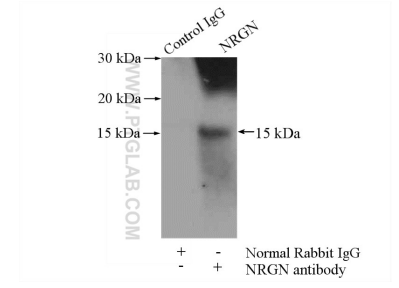
Données de validation sélectionnées



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10440-1-AP (Neurogranin antibody) at dilution of 1:200 (under 0x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10440-1-AP (Neurogranin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-Neurogranin (IP:10440-1-AP, 4ug; Detection:10440-1-AP 1:1000) with mouse brain tissue lysate 2640ug.