

For Research Use Only

NDRG2 Recombinant antibody, PBS Only

Catalog Number: 83902-7-PBS

Featured Product



Basic Information

Catalog Number:

83902-7-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2629

GenBank Accession Number:

BC010458

GeneID (NCBI):

57447

UNIPROT ID:

Q9UN36

Full Name:

NDRG family member 2

Calculated MW:

371 aa, 39 kDa

Observed MW:

41-45 kDa

Purification Method:

Protein A purification

CloneNo.:

241039E8

Applications

Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

N-myc downstream-regulated gene 2 (NDRG2) is a newly identified member of the NDRG family that is highly localized and plays an important role in the regulation of astrocyte function. In astrocytes, NDRG2 affects the regulation of apoptosis, astrogliosis, blood-brain barrier integrity, and glutamate clearance. Several preclinical studies have revealed that NDRG2 is implicated in the pathogenesis of many neurological diseases, such as stroke, neurodegeneration and psychiatric disorders. Recent studies demonstrated that NDRG2 functions as a tumor suppressor and may be a prognostic predictor for many different malignant tumors.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

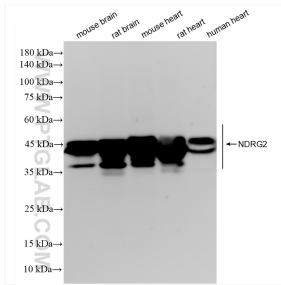
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

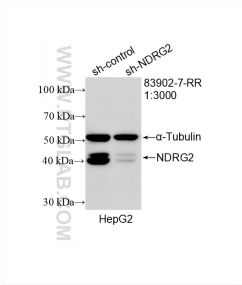
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

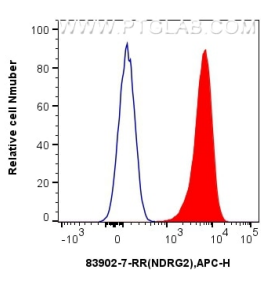
Selected Validation Data



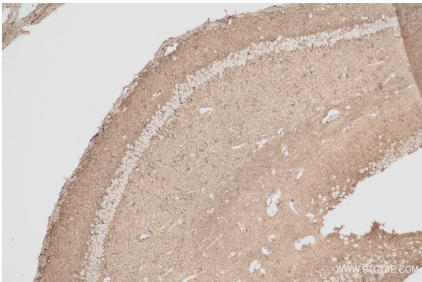
Various lysates were subjected to SDS PAGE followed by western blot with 83902-7-RR (NDRG2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83902-7-PBS in a different storage buffer formulation.



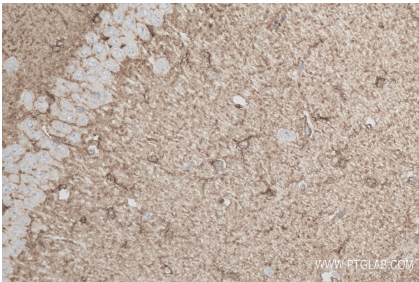
WB result of NDRG2 antibody (83902-7-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDRG2 transfected HepG2 cells. This data was developed using the same antibody clone with 83902-7-PBS in a different storage buffer formulation.



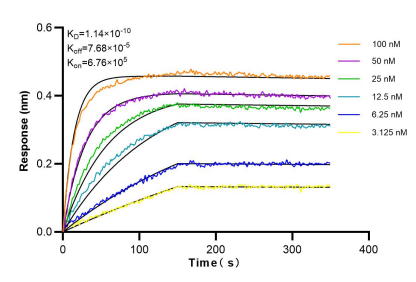
1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug NDRG2 Recombinant antibody (83902-7-RR, Clone:241039E8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83902-7-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83902-7-RR (NDRG2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83902-7-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83902-7-RR (NDRG2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83902-7-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83902-7-RR against Human NDRG2 were performed. The affinity constant is 0.114 nM.