

# GNL2 Polyclonal antibody

Catalog Number: 10190-2-AP

## Basic Information

**Catalog Number:**

10190-2-AP

**Size:**

800 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0243

**GenBank Accession Number:**

BC000107

**GeneID (NCBI):**

29889

**UNIPROT ID:**

Q13823

**Full Name:**

guanine nucleotide binding protein-like 2 (nucleolar)

**Calculated MW:**

731 aa, 84 kDa

**Observed MW:**

100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:1000-1:4000

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Species Specificity:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** Jurkat cells, K-562 cells, Ramos cells, NIH/3T3 cells

**IHC :** human breast cancer tissue,

**IF/ICC :** A431 cells,

## Background Information

GNL2 ( G protein nucleolar 2) has a crucial role in the pathogenesis of gliomas by influencing key cellular processes, particularly enhanced protein synthesis, which ultimately contributes to the development of gliomas. In addition, GNL2 was found to affect the overall protein synthesis of ribosomal protein L11 in glioma cells. The calculated MW of GNL2 is 84 kDa, but the observed MW is around 100 kDa, which may be due to glycosylation modification.

## Storage

**Storage:**

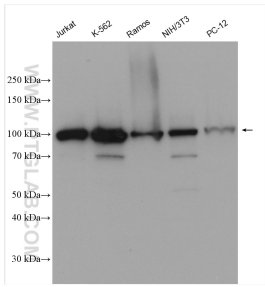
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

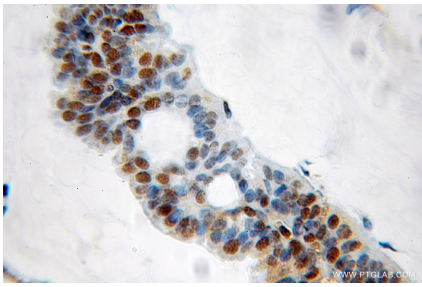
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

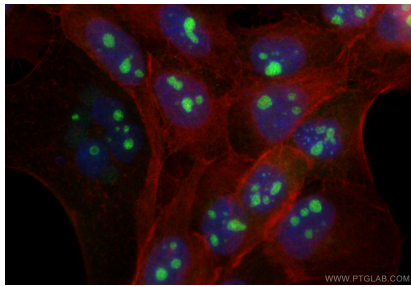
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10190-2-AP (GNL2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10190-2-AP (GNL2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using GNL2 antibody (10190-2-AP) at dilution of 1:2000 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).