

## GEMIN2 Antibody

Catalog No: #31266

Package Size: #31266-1 50ul #31266-2 100ul

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## Description

Product Name	GEMIN2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GEMIN2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 264-280 amino acids of human gem (nuclear organelle) associated protein 2
Target Name	GEMIN2
Other Names	gem (nuclear organelle) associated protein 2, SIP1, SIP1-delta
Accession No.	Swiss-Prot:O14893Gene ID:8487;
Uniprot	O14893
GeneID	8487;
Concentration	0.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

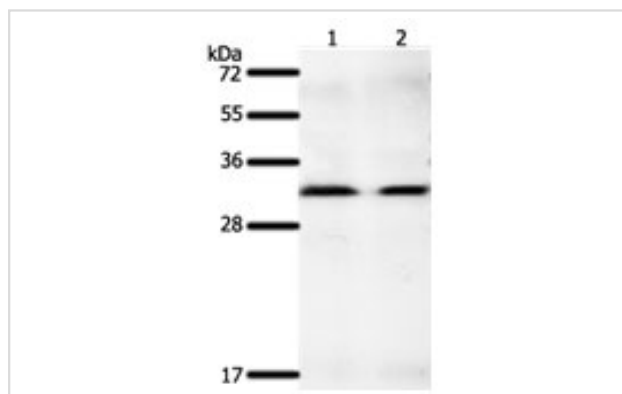
Predicted MW: 32kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 10%SDS-PAGE

Lane1: K562 cell lysate

Lane2: Hela cell lysate

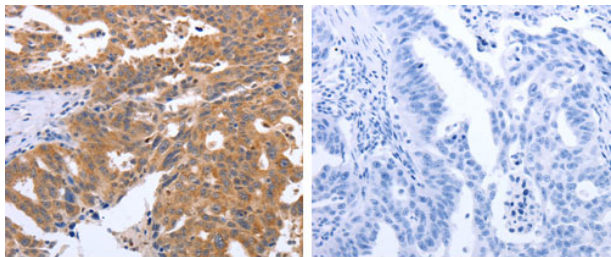
Lysates: 40 ug per lane

Primary antibody: 1/400 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at

1/10000 dilution

Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded human ovarian cancer tissue using 31266 (GEMIN2 Antibody) at dilution 1/40, on the right is treated with the synthetic peptide.

## Background

This gene encodes one of the proteins found in the SMN complex, which consists of several gemin proteins and the protein known as the survival of motor neuron protein. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal snRNPs and for pre-mRNA splicing. This protein interacts directly with the survival of motor neuron protein and it is required for formation of the SMN complex. A knockout mouse targeting the mouse homolog of this gene exhibited disrupted snRNP assembly and motor neuron degeneration.

Note: This product is for in vitro research use only