

# SPIN1 Monoclonal antibody

Catalog Number: 68615-1-Ig

## Basic Information

**Catalog Number:**

68615-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG33686

**GenBank Accession Number:**

BC013571

**GeneID (NCBI):**

10927

**UNIPROT ID:**

Q9Y657

**Full Name:**

spindlin 1

**Calculated MW:**

262 aa, 30 kDa

**Observed MW:**

30 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1G8C5

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse, rat, rabbit

**Positive Controls:**

**WB :** LNCaP cells, NCCIT cells, rabbit brain tissue, SK-BR-3 cells, HeLa cells, Jurkat cells, K-562 cells, rat brain tissue, mouse brain tissue

## Background Information

SPIN1 (Spindlin 1) is a histone methylation reader, which recognizes trimethylated histone H3 lysine 4 through the protein-protein interaction. SPIN1 was initially found in ovarian cancer via searching ovarian cancer-related genes. It is overexpressed in ovarian cancer tissue, which exhibits a high homology to mouse Spin (Spindlin) gene. Signaling pathways responsible for SPIN1 functions include PI3K/Akt, Wnt and RET that are highly relevant to tumorigenesis. (PMID: 34492335, PMID: 31790762)

## Storage

**Storage:**

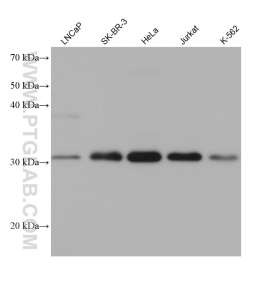
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

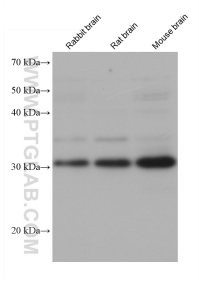
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68615-1-Ig (SPIN1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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