

# SGF29 Monoclonal antibody

Catalog Number: 68339-1-Ig

## Basic Information

**Catalog Number:**

68339-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG33219

**GenBank Accession Number:**

BC011981

**GeneID (NCBI):**

112869

**UNIPROT ID:**

Q96ES7

**Full Name:**

coiled-coil domain containing 101

**Calculated MW:**

293 aa, 33 kDa

**Observed MW:**

33 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1G1B4

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, Mouse, Rat, Pig

**Positive Controls:**

WB : LNCaP cells, MCF-7 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, pig liver tissue

## Background Information

SAGA-associated factor 29 (SGF29) is a chromatin reader component of some histone acetyltransferase (HAT) SAGA-type complexes. SGF29 specifically recognizes and binds methylated 'Lys-4' of histone H3 (H3K4me), with a preference for trimethylated form (H3K4me3) (PMID:19103755, PMID:26421618, PMID:21685874, PMID:26578293). Involved in the response to the endoplasmic reticulum (ER) stress by recruiting the SAGA complex to H3K4me, thereby promoting histone H3 acetylation and cell survival (PubMed:23894581). It has a calculated molecular weight of 33 kDa.

## Storage

**Storage:**

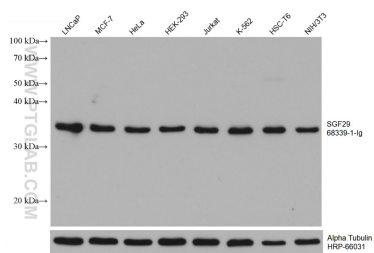
Store at -20°C. Stable for one year after shipment.

**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 68339-1-Ig (CCDC101 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.