

For Research Use Only

SGF29 Polyclonal antibody

Catalog Number: 24061-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

24061-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21261

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:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:800

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

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 : HeLa cells, MDA-MB-453s cells

IHC : human liver cancer tissue, human cervical cancer 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Lingyun Long	34795452	Nature	WB

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

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

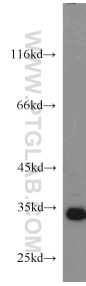
T: 4006900926

E: Proteintech-CN@ptglab.com

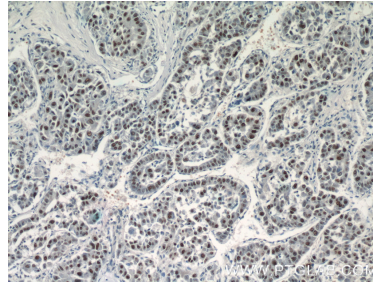
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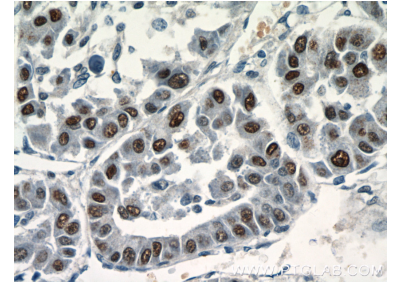
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 24061-1-AP (SGF29 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24061-1-AP (SGF29 antibody at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24061-1-AP (SGF29 antibody at dilution of 1:400 (under 40x lens).