

For Research Use Only

SPIRE1 Polyclonal antibody

Catalog Number: 11295-1-AP



Basic Information

Catalog Number: 11295-1-AP	GenBank Accession Number: BC016825	Purification Method: Antigen affinity purification
Concentration: 500 ug/ml	GeneID (NCBI): 56907	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q08AE8	
Isotype: IgG	Full Name: spire homolog 1 (Drosophila)	
Immunogen Catalog Number: AG1798	Calculated MW: 64 kDa	
	Observed MW: 50-60 kDa, 95 kDa	

Applications

Tested Applications:

WB, IHC, 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 : HEK-293 cells, HeLa cells, SH-SY5Y cells

IHC : human lung cancer tissue, mouse stomach tissue

Background Information

SPIRE1, Protein spire homolog 1, belongs to the family of Wiskott-Aldrich homology region-2 (WH2) proteins (PMID: 11747823). SPIRE1 acts as an actin nucleation factor, associated with the slow-growing pointed end of the new filament (PMID: 11747823, PMID: 21620703). SPIRE1 and FMN2 promote assembly of nuclear actin filaments in response to DNA damage in order to facilitate movement of chromatin and repair factors after DNA damage (PMID: 26287480).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

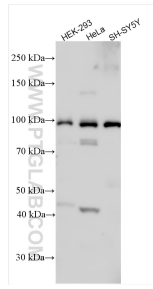
T: 4006900926

E: Proteintech-CN@ptglab.com

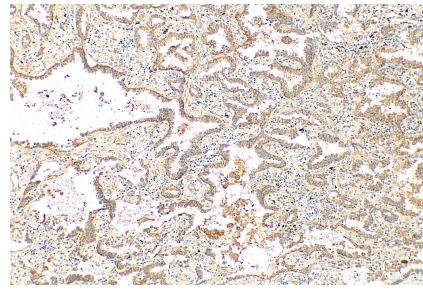
W: ptgcn.com

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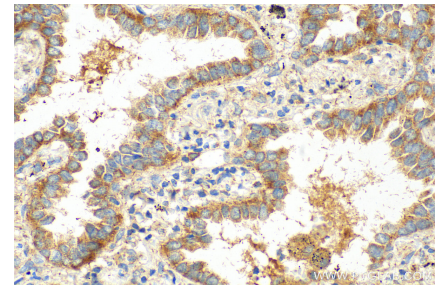
Selected Validation Data



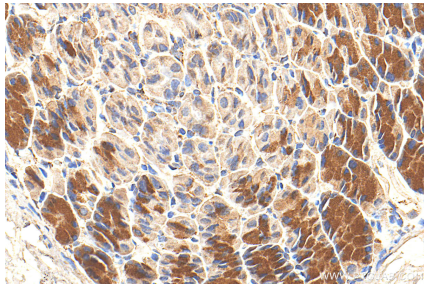
Various lysates were subjected to SDS PAGE followed by western blot with 11295-1-AP (SPIRE1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11295-1-AP (SPIRE1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with .



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11295-1-AP (SPIRE1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with .



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 11295-1-AP (SPIRE1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).