

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
Size: 500 µg/ml	GeneID (NCBI): 56907	Recommended Dilutions: 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: IHC, ELISA	Positive Controls: IHC : human lung cancer tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

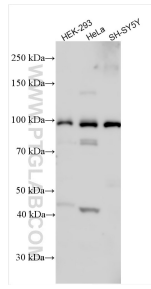
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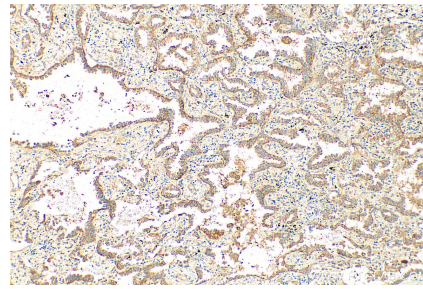
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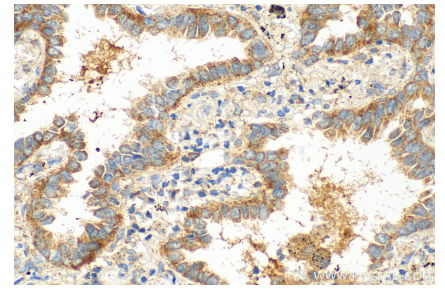
Selected Validation Data



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 .