

For Research Use Only

CABLES1 Polyclonal antibody

Catalog Number: 13464-1-AP



Basic Information

Catalog Number: 13464-1-AP	GenBank Accession Number: BC037218	Purification Method: Antigen affinity purification
Size: 750 ug/ml	GeneID (NCBI): 91768	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q8TDN4	IHC 1:50-1:500
Isotype: IgG	Full Name: Cdk5 and Abl enzyme substrate 1	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG4251	Calculated MW: 568 aa, 63 kDa	
	Observed MW: 68 kDa, 42 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : COLO 205 cells, HT-29 cells, SH-SY5Y cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon tissue, mouse pancreas tissue
	IF/ICC : MCF-7 cells, HeLa cells

Background Information

CDK5 and ABL1 enzyme substrate 1 (CABLES1) is a novel Cdk2, Cdk3, and Cdk5 binding protein, which acts as a link between the Cdk5 and nonreceptor tyrosine kinases and regulates the activity of Cdk5 by enhancing their Y15 phosphorylation. CABLES1 is a candidate tumor suppressor that negatively regulates cell growth by inhibiting cyclin-dependent kinases.

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:

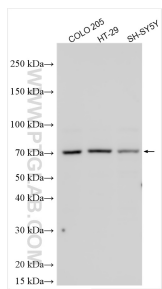
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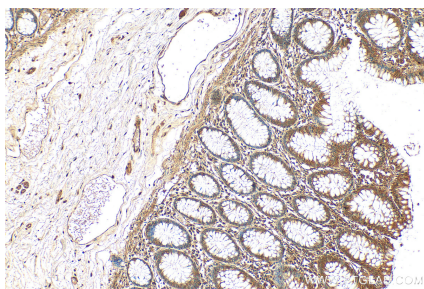
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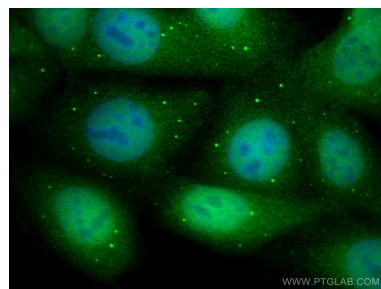
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13464-1-AP (CABLES1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13464-1-AP (CABLES1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CABLES1 antibody (13464-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).