

For Research Use Only

# FAM82A1 Polyclonal antibody, PBS Only

Catalog Number:33752-1-PBS



## Basic Information

<b>Catalog Number:</b> 33752-1-PBS	<b>GenBank Accession Number:</b> BC024243	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 151393	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96LZ7	
<b>Isotype:</b> IgG	<b>Full Name:</b> family with sequence similarity 82, member A1	
<b>Immunogen Catalog Number:</b> AG40522	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

FAM82A1 is a crucial cellular signaling regulatory protein that has recently gained attention for its role in tumorigenesis. Research indicates that it serves as an important regulatory subunit of protein phosphatase 2A (PP2A), participating in the precise regulation of cell cycle progression and apoptosis by influencing key signaling pathways such as JNK/c-Jun. In various cancers (e.g., glioblastoma, lung cancer), FAM82A1 often exhibits abnormally high expression, which is closely associated with accelerated cancer cell proliferation, inhibited apoptosis, and poor patient prognosis. Its cancer-promoting function is primarily achieved by sustaining cancer cell survival, making FAM82A1 not only a potential tumor biomarker but also a promising new target for anti-cancer therapy worthy of further exploration.

## Storage

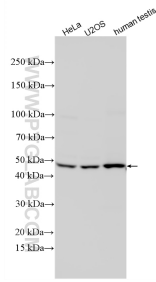
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

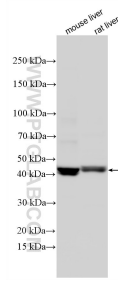
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

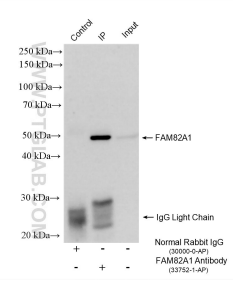
## Selected Validation Data



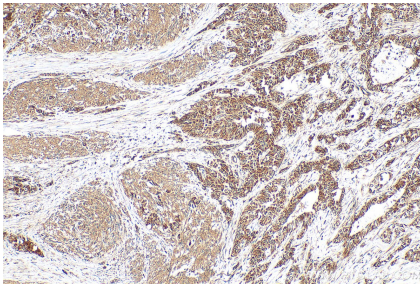
Various lysates were subjected to SDS PAGE followed by western blot with 33752-1-AP (FAM82A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.



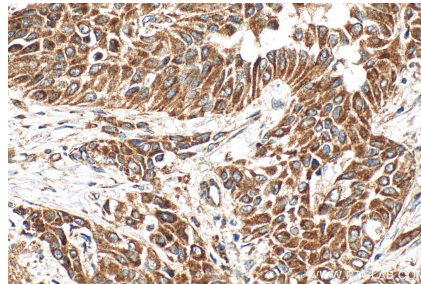
Various lysates were subjected to SDS PAGE followed by western blot with 33752-1-AP (FAM82A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.



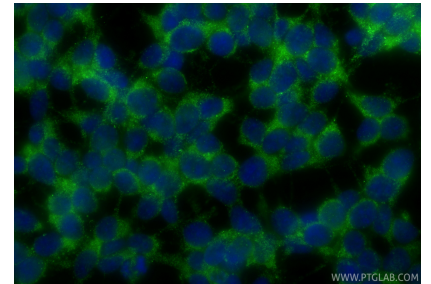
IP result of anti-FAM82A1 (IP:33752-1-AP, 4ug; Detection:33752-1-AP 1:2000) with U2OS cells lysate 760 ug. This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.



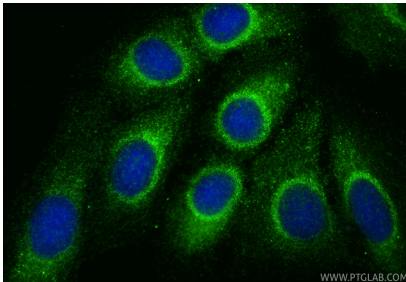
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 33752-1-AP (FAM82A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 33752-1-AP (FAM82A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using FAM82A1 antibody (33752-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using FAM82A1 antibody (33752-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 33752-1-PBS in a different storage buffer formulation.