

For Research Use Only

# ILK Polyclonal antibody

Catalog Number: 12955-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 12955-1-AP	<b>GenBank Accession Number:</b> BC001554	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 3611	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13418	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin-linked kinase	IHC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG3570	<b>Calculated MW:</b> 451 aa, 59 kDa	
	<b>Observed MW:</b> 51-59 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, IP, WB	WB : mouse brain tissue, mouse kidney tissue
<b>Species Specificity:</b> human, mouse, rat	IP : mouse kidney tissue,
<b>Cited Species:</b> human, mouse, pig	IHC : human prostate cancer tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Integrin-linked kinase (ILK) is an ankyrin-repeat containing serine-threonine protein kinase capable of interacting with the cytoplasmic domains of integrin  $\beta$  1,  $\beta$  2, and  $\beta$  3 subunits and whose kinase activity is modulated by cell-extracellular matrix interactions (PMID: 9539744). This protein belongs to the protein kinase superfamily. It can be autophosphorylated on serine residues.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lan Lin	32485356	Int Immunopharmacol	WB
Ying Feng	33531984	J Cancer	WB
Q Zhou	30739146	Osteoporos Int	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:

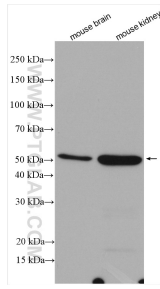
T: 4006900926

E: Proteintech-CN@ptglab.com

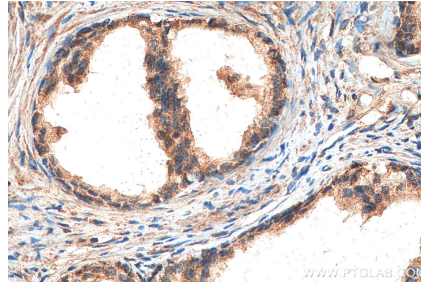
W: ptgcn.com

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

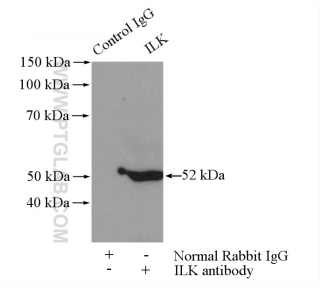
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12955-1-AP (ILK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12955-1-AP (ILK antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ILK (IP:12955-1-AP, 4ug; Detection:12955-1-AP 1:800) with mouse kidney tissue lysate 4000ug.