

For Research Use Only

ILK Polyclonal antibody

Catalog Number: 12955-1-AP **11 Publications**



Basic Information

| | | |
|---|--|--|
| Catalog Number: 12955-1-AP | GenBank Accession Number: BC001554 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 450 ug/ml by Nanodrop; | GeneID (NCBI): 3611 | Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q13418 | |
| Isotype: IgG | Full Name: integrin-linked kinase | |
| Immunogen Catalog Number: AG3570 | Calculated MW: 451 aa, 59 kDa | |
| | Observed MW: 51-59 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IP, IHC, ELISA | Positive Controls: WB : mouse brain tissue, mouse kidney tissue IP : mouse kidney tissue, IHC : human prostate cancer tissue, |
| Cited Applications: WB, IHC, IF, IP | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, mouse, rat, pig | |
| 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

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

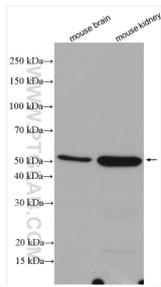
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

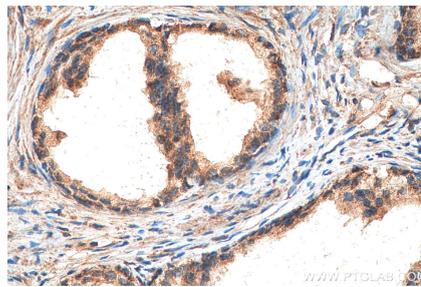
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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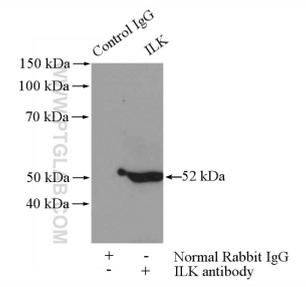
Selected Validation Data



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.