

## ILK (Phospho-Ser246) Antibody

Catalog No: #11733

Package Size: #11733-1 50ul #11733-2 100ul

Orders: order@signalwayantibody.com

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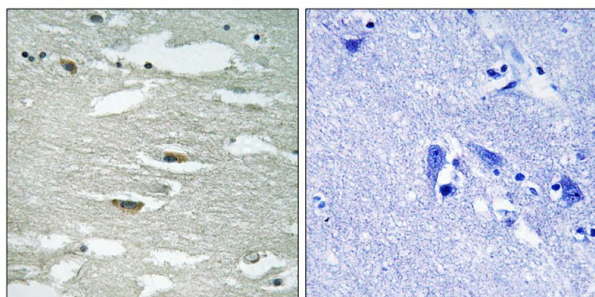
## Description

Product Name	ILK (Phospho-Ser246) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of ILK only when phosphorylated at serine 246.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 246(I-F-S(p)-H-P) derived from Human ILK.
Target Name	ILK
Modification	Phospho
Other Names	ILK1; p59ILK; kinase ILK;
Accession No.	Swiss-Prot#: Q13418; NCBI Gene#: 3611; NCBI Protein#: NP_001014794.1.
SDS-PAGE MW	51kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using ILK (Phospho-Ser246) antibody #11733 (left) or the same antibody preincubated with blocking peptide (right).

## Background

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Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains with cellular proteins. Integrin-linked kinase (ILK), interacts with the cytoplasmic domain of beta-1 integrin. This gene encodes a serine/threonine protein kinase with 4 ankyrin-like repeats, which associates with the cytoplasmic domain of beta integrins and acts as a proximal receptor kinase regulating integrin-mediated signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.

Hannigan G.E., *Nature* 379:91-96(1996).

Janji B., *Oncogene* 19:3069-3077(2000).

Tadic B., Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.