

ILK (Phospho-Ser246) Antibody

Catalog No: #11733

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

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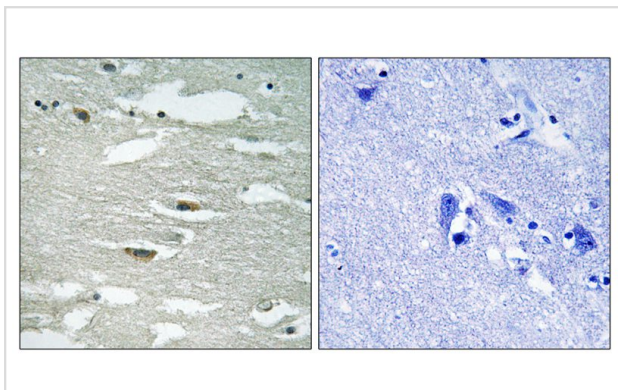
Description

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.
Uniprot	Q13418
GeneID	3611;
SDS-PAGE MW	51kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

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.

Note: This product is for in vitro research use only