

Intestinal Cell Kinase rabbit pAb

Cat#: orb768139 (Manual)

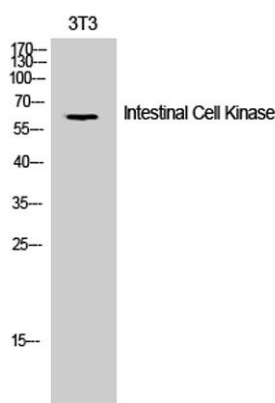
For research use only. Not intended for diagnostic use.

Product Name	Intestinal Cell Kinase rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ICK. AA range:125-174
Specificity	Intestinal Cell Kinase Polyclonal Antibody detects endogenous levels of Intestinal Cell Kinase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Serine/threonine-protein kinase ICK
Gene Name	ICK
Cellular localization	Nucleus . Cytoplasm, cytosol . Cell projection, cilium . Cytoplasm, cytoskeleton, cilium basal body . Also found at the ciliary tip (PubMed:24797473). Nuclear localization has been observed with a GFP-tagged construct in transfected HeLa cells (PubMed:12103360, PubMed:19185282). .; [Isoform 2]: Cytoplasm . Predominant cytoplasmic localization has been observed with a N-terminally GFP-tagged construct. .

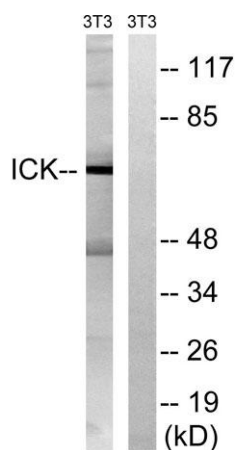
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	65kD
Human Gene ID	22858
Human Swiss-Prot Number	Q9UPZ9
Alternative Names	ICK; KIAA0936; Serine/threonine-protein kinase ICK; Intestinal cell kinase; hICK; Laryngeal cancer kinase 2; LCK2; MAK-related kinase; MRK

Background

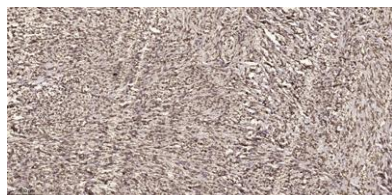
Eukaryotic protein kinases are enzymes that belong to a very extensive family of proteins which share a conserved catalytic core common with both serine/threonine and tyrosine protein kinases. This gene encodes an intestinal serine/threonine kinase harboring a dual phosphorylation site found in mitogen-activating protein (MAP) kinases. The protein localizes to the intestinal crypt region and is thought to be important in intestinal epithelial cell proliferation and differentiation. Alternative splicing has been observed at this locus and two variants, encoding the same isoform, have been identified. [provided by RefSeq, Jul 2008],



Western Blot analysis of 3T3 cells using Intestinal Cell Kinase Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 cells, treated with PBS 10uM 60', using ICK Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:2