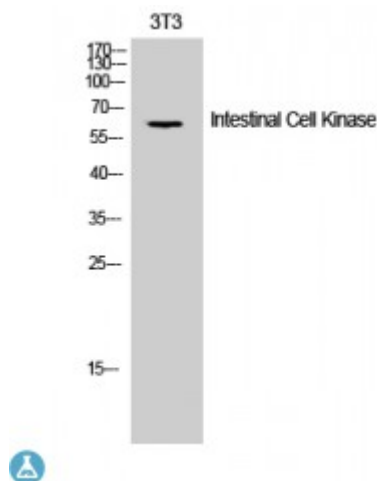


## Anti-Intestinal Cell Kinase antibody



<b>Description</b>	Rabbit polyclonal to Intestinal Cell Kinase.
<b>Model</b>	STJ93740
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human Intestinal Cell Kinase around the non-phosphorylation site of Y159.
<b>Immunogen Region</b>	100-180 aa
<b>Gene ID</b>	<a href="#">22858</a>
<b>Gene Symbol</b>	<a href="#">ICK</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
<b>Specificity</b>	Intestinal Cell Kinase Polyclonal Antibody detects endogenous levels of Intestinal Cell Kinase protein.
<b>Tissue Specificity</b>	Expressed in heart, brain, placenta, pancreas, thymus, prostate, testis, ovary, small intestine and colon, with highest levels in placenta and testis. Not detected in spleen. Also expressed in many cancer cell lines.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Serine/threonine-protein kinase ICK Intestinal cell kinase hICK Laryngeal cancer kinase 2 LCK2 MAK-related kinase MRK

<b>Molecular Weight</b>	65 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:21219OMIM:612325</a>
<b>Alternative Names</b>	Serine/threonine-protein kinase ICK Intestinal cell kinase hICK Laryngeal cancer kinase 2 LCK2 MAK-related kinase MRK
<b>Function</b>	Required for ciliogenesis . Phosphorylates KIF3A . Involved in the control of ciliary length . Regulates the ciliary localization of SHH pathway components as well as the localization of IFT components at ciliary tips . May play a key role in the development of multiple organ systems and particularly in cardiac development . Regulates intraflagellar transport (IFT) speed and negatively regulates cilium length in a cAMP and mTORC1 signaling-dependent manner and this regulation requires its kinase activity .
<b>Cellular Localization</b>	Nucleus Cytoplasm, cytosol Cell projection, cilium Cytoplasm, cytoskeleton, cilium basal body. Also found at the ciliary tip . Nuclear localization has been observed with a GFP-tagged construct in transfected HeLa cells .
<b>Post-translational Modifications</b>	Autophosphorylated on serine and threonine residues. May play a role in enzyme activation.