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Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody

Catalog # AP67353

Specification

Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q9UPZ9
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody - Additional Information

Gene ID 22858

Other Names
ICK; KIAA0936; Serine/threonine-protein kinase ICK; Intestinal cell kinase; hICK; Laryngeal cancer kinase 2; LCK2; MAK-related kinase; MRK

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody - Protein Information

Name CILK1

Synonyms ICK, KIAA0936

Function
Required for ciliogenesis (PubMed:24797473). Phosphorylates KIF3A (By similarity). Involved in the control of ciliary length (PubMed:24853502). Regulates the ciliary localization of SHH pathway components as well as the localization of IFT components at ciliary tips (By similarity). May play a key role in the development of multiple organ systems and particularly in cardiac development (By similarity). 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 (By similarity).

Cellular Location
Nucleus. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q62726}. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q9JKV2}. Note=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).

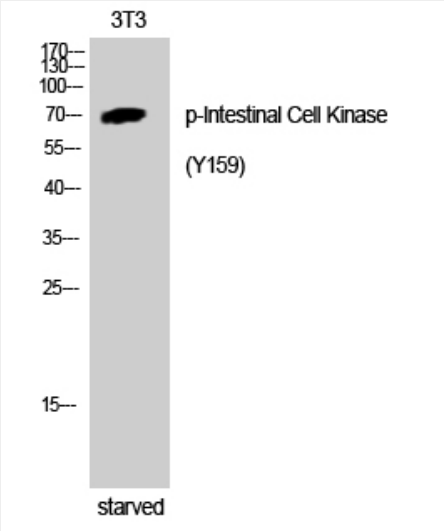
Tissue Location
Expressed in heart, brain, placenta, pancreas, thymus, prostate, testis, ovary, small intestine and colon, with highest levels in placenta and testis. Not detected in spleen. Also expressed in many cancer cell lines.

Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody - Images



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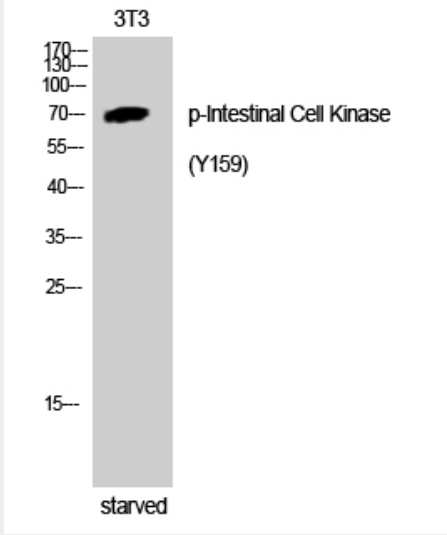

Intestinal Cell Kinase (phospho Tyr159) Polyclonal Antibody - Background

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