

Intestinal Cell Kinase Polyclonal Antibody
Catalog # AP70558**Specification**

Intestinal Cell Kinase Polyclonal Antibody - Product Information

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

Intestinal Cell Kinase 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. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. 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°C

Intestinal Cell Kinase 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

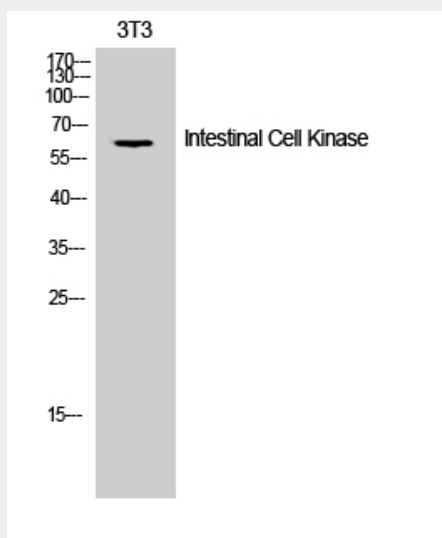
Expressed in heart, brain, placenta, pancreas, thymus, prostate, testis, ovary, small intestine and colon, with highest levels in placenta and testis. Not detected in spleen. Also expressed in many cancer cell lines.

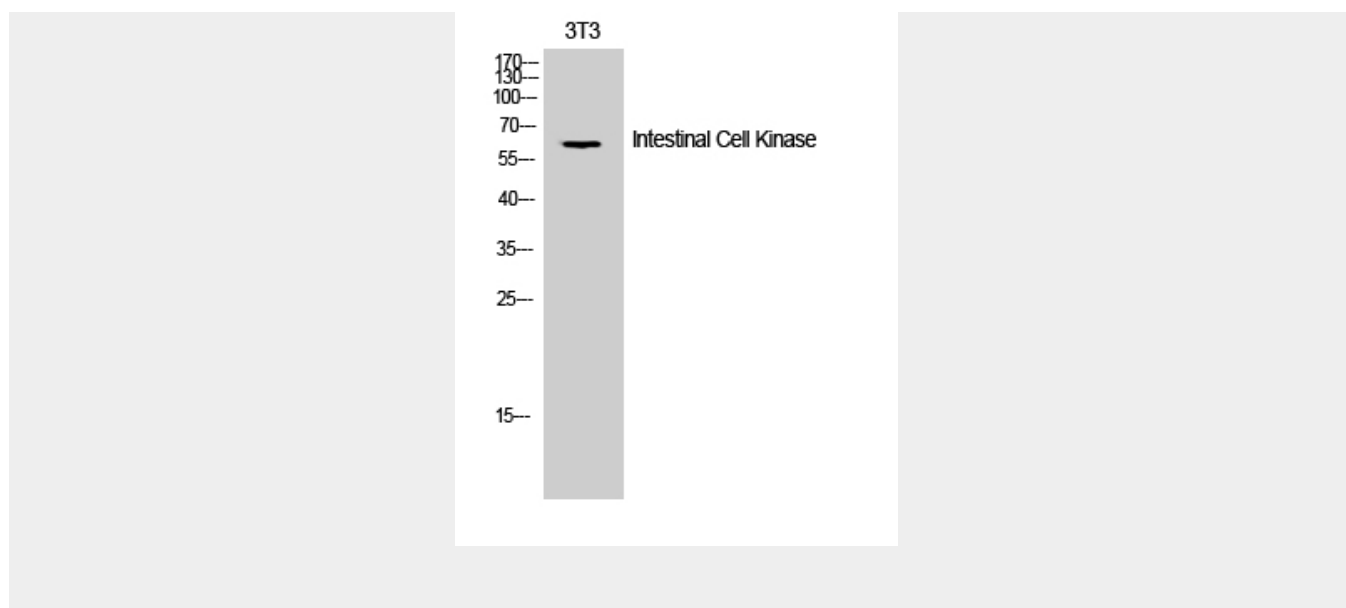
Intestinal Cell Kinase Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Intestinal Cell Kinase Polyclonal Antibody - Images





Intestinal Cell Kinase Polyclonal Antibody - Background

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).