

**Anti-ICK Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11866****Specification**

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**Anti-ICK Antibody - Product Information**

Application	IHC, IF, WB
Primary Accession	<a href="#">Q9UPZ9</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71427

**Anti-ICK Antibody - Additional Information****Gene ID** 22858

Positive Control	<b>WB: HeLa, HEL293 cell lysates; IHC: human brain tissue; IFC: HEK293T cells</b>
Application & Usage	<b>WB; 1:500 - 1:2000, IHC; 1:50 - 1:200, IF/IC; 1:50 - 1:100</b>
Alias Symbol	<b>ICK</b>

**Other Names**

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

**Appearance**

Colorless liquid

**Formulation**

In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Anti-ICK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-ICK Antibody - Protein Information****Name** CILK1**Synonyms** ICK, KIAA0936

**Function**

Required for ciliogenesis (PubMed:<a href="http://www.uniprot.org/citations/24797473" target="\_blank">24797473</a>). Phosphorylates KIF3A (By similarity). Involved in the control of ciliary length (PubMed:<a href="http://www.uniprot.org/citations/24853502" target="\_blank">24853502</a>). 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).

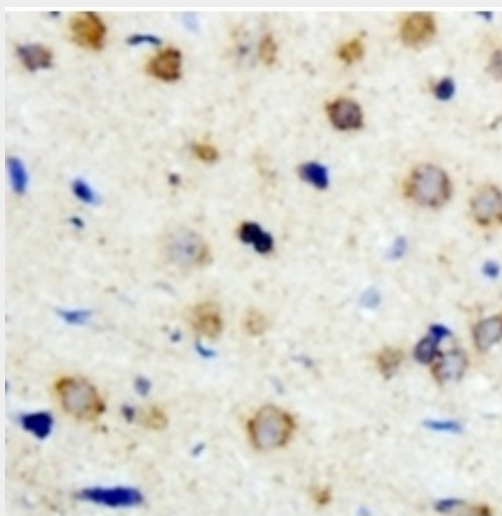
**Tissue Location**

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.

**Anti-ICK Antibody - Protocols**

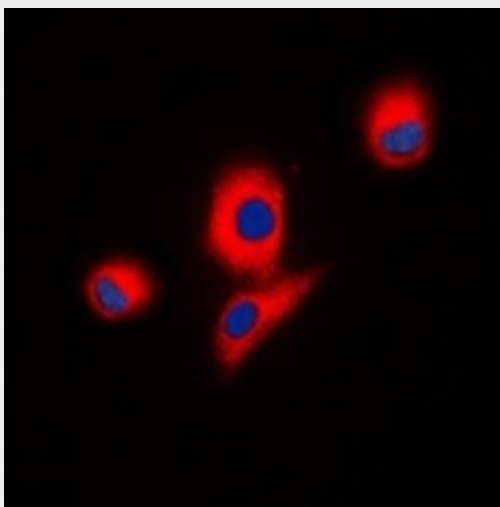
Provided below are standard protocols that you may find useful for product applications.

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

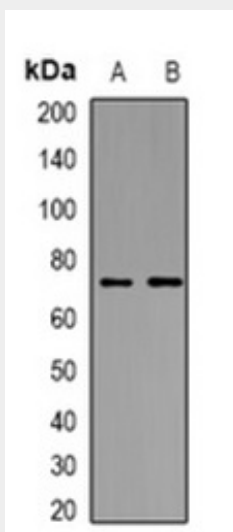
**Anti-ICK Antibody - Images**

Immunohistochemical analysis of ICK staining in H.brain formalin fixed paraffin embedded tissue

section.



Immunofluorescent analysis of ICK staining in HEK293T cells.



Western blot analysis of ICK expression in HeLa(A); HEK293T(B) whole cell lysates.

### Anti-ICK Antibody - Background

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