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Datasheet for ABIN184605 anti-ITK antibody (C-Term)

5 Images



Overview

Quantity:	100 µg
Target:	ITK
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ITK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	ITK
Immunogen:	Peptide with sequence C-RLLRQLAEIAESGL, from the C Terminus of the protein sequence according to NP_005537.3.
Sequence:	RLLRQLAEIA ESGL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details

Target:	ITK
Alternative Name:	ITK (ITK Products)
Background:	ITK, EMT, LYK, PSCTK2, IL2-inducible T-cell kinase, tyrosine-protein kinase LYK, homolog of mouse T-cell itk/tsk, tyrosine-protein kinase ITK/TSK, MGC126257, MGC126258
Gene ID:	3702, 16428
NCBI Accession:	NP_005537
Pathways:	TCR Signaling, Fc-epsilon Receptor Signaling Pathway

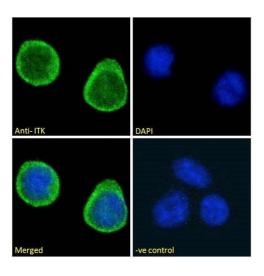
Application Details

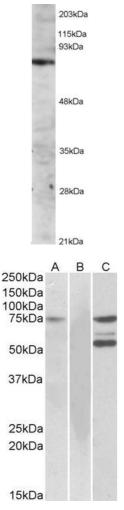
Application Notes:	Western Blot: Approx 75 kDa band observed in nuclear ysates of cell line Jurkat (calculated MW
	of 71.8 kDa according to NP_005537.3). Recommended concentration: 1-3g/mL. Primary
	incubation 1 hour at room temperature.
	Peptide ELISA: antibody detection limit dilution 1:2000.
Comment:	
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa and
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa and Jurkat cells. Recommended concentration: 10µg/ml.
Comment:	

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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Immunofluorescence

Image 1. ABIN184605 Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong cytoplasmic and weak nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Western Blotting

Image 2. ABIN184605 staining (2µg/ml) of Jurkat lysate (RIPA buffer, 1.4E+05 cells per lane). Primary incubated for 12 hour. Detected by western blot using chemiluminescence.

Western Blotting

Image 3. HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human (ITK) with DYKDDDDK tag probed with ABIN184605 (1ug/ml) in Lane A and probed with anti-DYKDDDDK Tag (1/10000) in lane C. Mock-transfected HEK293 probed with EB10338 (1mg/ml) in Lane B. Primary

Please check the product details page for more images. Overall 5 images are available for ABIN184605.

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