

Datasheet for ABIN6242973  
**anti-ITIH4 antibody (AA 784-816)**

## 3 Images

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## Overview

Quantity:	200 µL
Target:	ITIH4
Binding Specificity:	AA 784-816
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITIH4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

## Product Details

Immunogen:	This ITIH4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 784-816 amino acids from human ITIH4.
Clone:	RB55411
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ITIH4
Alternative Name:	ITIH4 ( <a href="#">ITIH4 Products</a> )
Background:	Type II acute-phase protein (APP) involved in inflammatory responses to trauma. May also play

## Target Details

	a role in liver development or regeneration.
Molecular Weight:	103357
UniProt:	<a href="#">Q14624</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

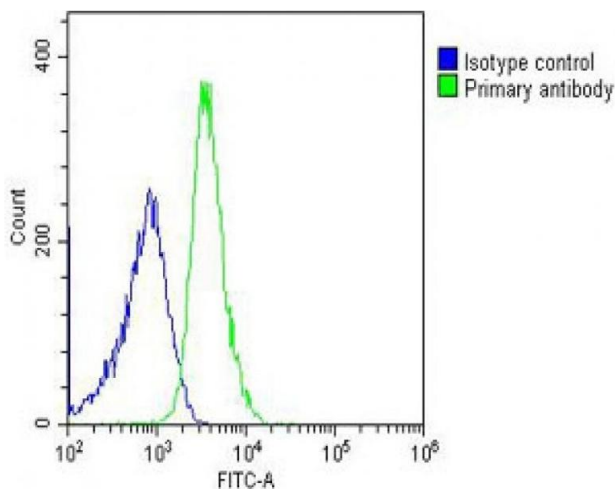
## Application Details

Application Notes:	IF: 1:25. WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

## Handling

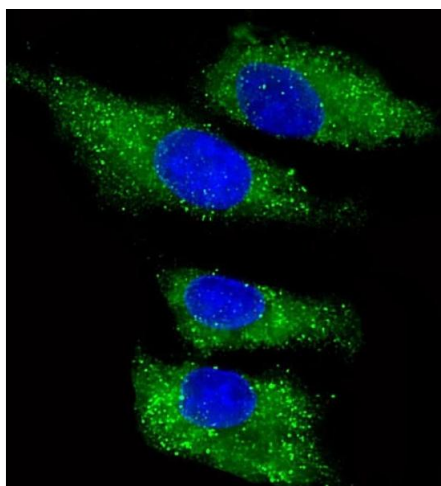
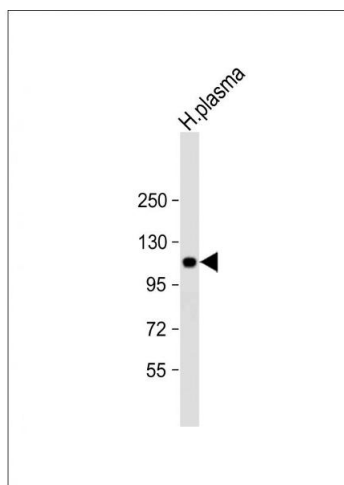
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Images



### Flow Cytometry

**Image 1.** Overlay histogram showing U-2OS cells stained with (ABIN6242973 and ABIN6578633) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242973 and ABIN6578633), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C.



Isotype control antibody (blue line) was rabbit IgG ( $1 \mu\text{g}/1 \times 10^6$  cells) used under the same conditions. Acquisition of  $>10,000$  events was performed.

### Western Blotting

**Image 2.** Anti-ITIH4 Antibody (C-Term) at 1:2000 dilution + human plasma lysate Lysates/proteins at  $20 \mu\text{g}$  per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 103 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

### Immunofluorescence

**Image 3.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling ITIH4 with (ABIN6242973 and ABIN6578633) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HepG2 cell line. The nuclear counter stain is DI (blue).