

[Go to Product page](#)

## Datasheet for ABIN7115710 **anti-KIF7 antibody**

### Overview

Quantity:	100 µg
Target:	KIF7
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIF7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

### Product Details

Immunogen:	kinesin family member 7
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	KIF7
Alternative Name:	KIF7 ( <a href="#">KIF7 Products</a> )
Background:	Synonyms:KIF7, kinesin family member 7, Kinesin like protein KIF7, UNQ340 Background:Essential for hedgehog signaling regulation: acts as both a negative and positive regulator of sonic hedgehog(Shh) and Indian hedgehog(Ihh) pathways, acting downstream of SMO, through both SUFU-dependent and-independent mechanisms(PubMed:21633164).

## Target Details

Involved in the regulation of microtubular dynamics. Required for proper organization of the ciliary tip and control of ciliary localization of SUFU-GLI2 complexes(By similarity). Required for localization of GLI3 to cilia in response to Shh. Negatively regulates Shh signaling by preventing inappropriate activation of the transcriptional activator GLI2 in the absence of ligand. Positively regulates Shh signaling by preventing the processing of the transcription factor GLI3 into its repressor form. In keratinocytes, promotes the dissociation of SUFU-GLI2 complexes, GLI2 nuclear translocation and Shh signaling activation(By similarity). Involved in the regulation of epidermal differentiation and chondrocyte development(By similarity).

Molecular Weight: 150 kDa

Gene ID: 374654

UniProt: [Q2M1P5](#)

Pathways: [Hedgehog Signaling](#)

## Application Details

Application Notes: WB: 1:500-1:2000, IP: 1:500-1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months