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Datasheet for ABIN5005970

**anti-SPEF2 antibody (AA 227-275) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	SPEF2
Binding Specificity:	AA 227-275
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPEF2 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KPL2/Sperm Flagellar 2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse
Purification:	Purified by Protein A.

## Target Details

Target:	SPEF2
Alternative Name:	KPL2/Sperm Flagellar 2 ( <a href="#">SPEF2 Products</a> )
Background:	Synonyms: KPL2, MGC102842, Protein KPL2, SPEF2, sperm flagellar protein 2, FLJ23164,

## Target Details

FLJ23577, FLJ25395, KIAA1770, SPEF2\_HUMAN.

Background: Flagella and cilia are both membrane-bound projections from the cell surface that beat in distinctive patterns. Cilia are shorter and usually more profuse than flagella and contain a microtubule cytoskeleton, the ciliary axoneme, surrounded by a ciliary membrane. The ciliary membranes of all cilia hold specific receptors and ion channel proteins that initiate signaling pathways that regulate motility and/or link mechanical or chemical stimuli to intracellular transduction cascades regulating differentiation, migration and cell growth during development and in adulthood. KPL2, also known as SPEF2 (sperm flagellar 2), is a 1,822 amino acid protein that contains a calponin homology domain, three nuclear localization signals, a consensus P-loop and a proline-rich region. Required for correct axoneme development, KPL2 is predominantly expressed in cells with cilia or flagella. Four isoforms of KPL2 exist as a result of alternative splicing events.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months