SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Sperm Flagellar 2 antibody

Catalog Number: SL11488R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Sperm Flagellar 2
Immunogen:	KLH conjugated synthetic peptide derived from human KPL2/Sperm Flagellar 2: 227-275/1822
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep)
Predicted MW.:	210kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	Flagella and cillia 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 develoment, KPL2 is predominantly expressed in cells with cilia or flagella. Four isoforms of KPL2 exists as a result of alternative splicing events. **Function:** Required for correct axoneme develoment

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Contains 1 CH (calponin-homology) domain. **Database links:** **Entrez Gene:** 79925 Human **SwissProt:** Q9C093 Human

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