SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FAM126A antibody

Catalog Number: SL11554R

FOR RESEARCH USE ONLY

[DATASHEET]

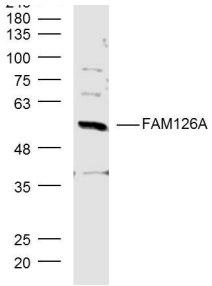
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FAM126A
Immunogen:	KLH conjugated synthetic peptide derived from human FAM126A: 1-100/521
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Pig,Horse,Rabbit)
Predicted MW.:	58kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	Hyccin is a 521 amino acid cytoplasmic protein that is widely expressed with highest levels found in heart, brain, placenta, spleen and testis. Belonging to the FAM126 family, hyccin may play a role in the ∫-catenin/Lef signaling pathway. Hyccin is likely involved in the process of myelination of the central and peripheral nervous system. Defects in the gene encoding hyccin are the cause of leukodystrophy hypomyelinating type 5 (HLD5), which is characterized by congenital cataract, progressive neurologic impairment and diffuse myelin deficiency. Individuals affected by HLD5 experience progressive pyramidal and cerebellar dysfunction along with muscle weakness in the lower limbs. Hyccin exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 7. **Function:** May have a role in the beta-catenin/Lef signaling pathway. May have a role in the process of myelination of the central and peripheral nervous system. **Subcellular Location:** Cytoplasm. Membrane. According to

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	PubMed:10910037, it is mainly cytoplasmic while according to PubMed:16951682, it is a membrane protein. **Tissue Specificity:** Widely expressed. Highest levels in heart, brain, placenta, spleen and testis. DISEASE: Defects in FAM126A are the cause of leukodystrophy hypomyelinating type 5 (HLD5) [MIM:610532]. This disorder is characterized by congenital cataract, progressive neurologic impairment, and diffuse myelin deficiency. Affected individuals experience progressive pyramidal and cerebellar dysfunction, muscle weakness and wasting prevailingly in the lower limbs. Mental deficiency ranges from mild to moderate. **Similarity:** Belongs to the FAM126 family. **Database links:** **Entrez Gene:** 84668 Human **Entrez Gene:** 84652 Mouse Omim: 610531 Human **SwissProt:** Q9BYI3 Human **SwissProt:** Q6P9N1 Mouse **Unigene:** 85603 Human **Unigene:** 304976 Mouse

[VALIDATION IMAGES]



Sample:
Heart (Mouse) Lysate at 40 ug
Primary: Anti-FAM126A (SL11554R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 58 kD
Observed band size: 58 kD

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