10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FAM154A Rabbit pAb

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Catalog # AP58924

Product Information

Application	WB
Primary Accession	Q8IYX7
Reactivity	Mouse
Predicted	Rat, Dog, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54621
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM154A
Epitope Specificity	101-200/474
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Chromosome 9 consists of about 145 million bases and 4% of the human genome and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 though through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of BCR-ABL fusion protein often found in leukemias. The FAM154A gene product has been provisionally designated FAM154A pending further characterization.

Additional Information

Gene ID	158297
Other Names	Stabilizer of axonemal microtubules 1, SAXO1, C9orf138, FAM154A
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SAXO1
Synonyms	C9orf138, FAM154A
Function	May play a role in the regulation of cilium length. Stabilizes microtubules at low temperature.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, cilium basal body Cytoplasm, cytoskeleton, cilium axoneme Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, flagellum axoneme. Note=In multi-ciliated cells, localizes to the basal bodies and in non-ciliated cells, to the centrosome. In spermatozoa, colocalizes with microtubules along the length of the axoneme from its proximal end to its distal tip and with tubulin at the distal end of the flagellum and at the proximal centriole.
Tissue Location	Widely expressed, with highest levels in testis. Expressed in mature spermatozoa (at protein level)

Background

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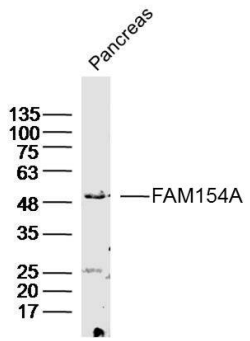
Images



Sample: Pancreas (Mouse) Lysate at 40 ug
Primary: Anti-FAM154A (AP58924) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 52 kD