

FAM98A Rabbit pAb

FAM98A Rabbit pAb Catalog # AP54340

Product Information

Application WB, IHC-P, IHC-F, IF

Primary Accession Q8NCA5

Reactivity Pig, Human, Chicken, Horse

Host Rabbit
Clonality Polyclonal
Calculated MW 55273
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human FAM98A

Epitope Specificity 251-350/519

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SIMILARITY Belongs to the FAM98 family.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions Encoding more than 700 genes, chromosome 15 is made up of approximately

Prader-Willi syndromes are associated with loss of function or deletion of genes in the 15q11-q13 region. In the case of Angelman syndrome, this loss is due to inactivity of the maternal 15q11-q13 encoded UBE3A gene in the brain by either chromosomal deletion or mutation. In cases of Prader-Willi syndrome, there is a partial or complete deletion of this region from the paternal copy of chromosome 15. Tay-Sachs disease is a lethal disorder

106 million base pairs and is about 3% of the human genome. Angelman and

syndrome, there is a partial or complete deletion of this region from the paternal copy of chromosome 15. Tay-Sachs disease is a lethal disorder associated with mutations of the HEXA gene, which is encoded by chromosome 15. Marfan syndrome is associated with chromosome 15 through the FBN1 gene. The FAM98 gene product has been provisionally

designated FAM98 pending further characterization.

Additional Information

Gene ID 25940

Other Names Protein FAM98A, FAM98A (HGNC:24520)

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1

©g/Test,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 FAM98A (<u>HGNC:24520</u>)

Function Positively stimulates PRMT1-induced protein arginine methylation

(PubMed:<u>28040436</u>). Involved in skeletal homeostasis (By similarity). Positively regulates lysosome peripheral distribution and ruffled border

formation in osteoclasts (By similarity).

Tissue Location Expressed strongly in colorectal cancer cells (PubMed:28040436). Expressed

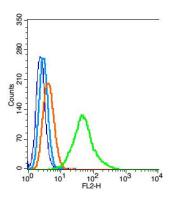
strongly in colorectal cancer tissues compared to wild-type colon samples (at protein level) (PubMed:28040436). Expressed strongly in colorectal cancer

tissues compared to wild-type colon samples (PubMed:28040436)

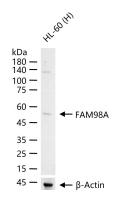
Background

Encoding more than 700 genes, chromosome 15 is made up of approximately 106 million base pairs and is about 3% of the human genome. Angelman and Prader-Willi syndromes are associated with loss of function or deletion of genes in the 15q11-q13 region. In the case of Angelman syndrome, this loss is due to inactivity of the maternal 15q11-q13 encoded UBE3A gene in the brain by either chromosomal deletion or mutation. In cases of Prader-Willi syndrome, there is a partial or complete deletion of this region from the paternal copy of chromosome 15. Tay-Sachs disease is a lethal disorder associated with mutations of the HEXA gene, which is encoded by chromosome 15. Marfan syndrome is associated with chromosome 15 through the FBN1 gene. The FAM98 gene product has been provisionally designated FAM98 pending further characterization.

Images

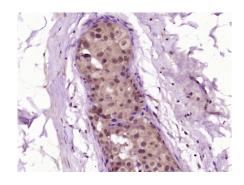


Blank control: hela(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice.. Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1 μ g in 100 μ L1X PBS containing 0.5% BSA(green).

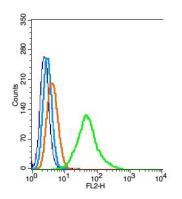


25 ug total protein per lane of various lysates (see on figure) probed with FAM98A polyclonal antibody, unconjugated (AP54340) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium



citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAM98A) Polyclonal Antibody, Unconjugated (AP54340) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.