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FAM210B Rabbit pAb

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Catalog # AP55720

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96KR6
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20424
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM210B
Epitope Specificity	101-192/192
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C20orf108 is a 192 amino acid multi-pass membrane protein that contains one DUF1279 domain. C20orf108 is encoded by a gene located on human chromosome 20q13.2. Representing about 2% of human DNA, chromosome 20 consists of approximately 63 million bases and 600 genes. Chromosome 20 contains a region with numerous genes expressed in the epididymis, which are thought to be important for seminal production. The PRNP gene encoding the prion protein associated with spongiform encephalopathies, like Creutzfeldt-Jakob disease, is found on chromosome 20. Amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome are also associated with chromosome 20. The C20orf108 gene product has been provisionally designated C20orf108 pending further characterization.

Additional Information

Gene ID	116151
Other Names	Protein FAM210B, mitochondrial, FAM210B (HGNC:16102), C20orf108
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

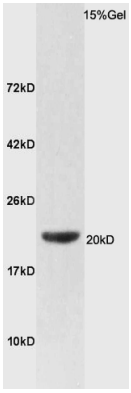
Protein Information

Name	MIMS2 (HGNC:16102)
Function	Mitochondrial inner membrane adapter protein essential for terminal erythroid differentiation and heme biosynthesis (PubMed:26968549, PubMed:28594398). Facilitates formation of an oligomeric mitochondrial iron transport complex required for iron acquisition during heme synthesis, although it does not function as a direct iron transporter (By similarity). Directly interacts with terminal heme synthesis enzymes PPOX and FECH to enhance ferrochelatase activity and couple iron import with heme synthesis (By similarity). Regulates mitochondrial energy metabolism through interaction with ATP synthase subunits (PubMed:36374104).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein
Tissue Location	Expressed in late erythroblast differentiation stages (PubMed:26968549). Underexpressed in ovarian cancer epithelia cells compared with normal human ovarian surface epithelia (PubMed:28594398).

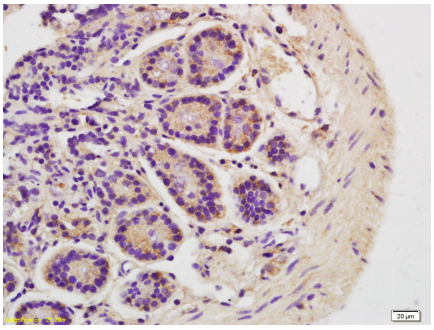
Background

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Images



Protein: lung(rat) lysates at 30ug;
Primary: Anti-FAM210B (AP55720) at 1:200;
Secondary: HRP conjugated Goat Anti-Rabbit IgG(AP55720-HRP) at 1: 3000;
ECL excited the fluorescence;
Predicted band size : 20kD
Observed band size : 20kD



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-FAM210B Polyclonal Antibody, Unconjugated(AP55720) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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