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PM20D1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21685a

Product Information

Application	WB, E
Primary Accession	Q6GTS8
Reactivity	Human
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53071
Calculated MW	55741

Additional Information

Gene ID	148811
Other Names	Probable carboxypeptidase PM20D1, 3417-, Peptidase M20 domain-containing protein 1, PM20D1
Target/Specificity	This PM20D1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 125-159 amino acids from the human region of human PM20D1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PM20D1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PM20D1 (HGNC:26518)
Function	Secreted enzyme that regulates the endogenous N-fatty acyl amino acid (NAAs) tissue and circulating levels by functioning as a bidirectional NAA synthase/hydrolase (PubMed:27374330). It condenses free fatty acids and free amino acids to generate NAAs and bidirectionally catalyzes the reverse

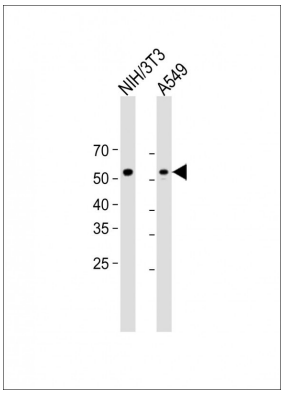
hydrolysis reaction (PubMed:27374330). Some of these NAAs stimulate oxidative metabolism via mitochondrial uncoupling, increasing energy expenditure in a UPC1- independent manner. Thereby, this secreted protein may indirectly regulate whole body energy expenditure. PM20D1 circulates in tight association with both low- and high-density (LDL and HDL,respectively) lipoprotein particles (By similarity).

Cellular Location Secreted {ECO:0000250|UniProtKB:Q8C165}.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).

Images



All lanes: Anti-PM20D1 Antibody (N-Term) at 1:1000 dilution Lane 1: NIH/3T3 whole cell lysate Lane 2: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 56 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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