

Rabbit anti-Human PM20D1 Polyclonal Antibody | anti-PM20D1 antibody

PM20D1 Antibody (N-Term)

CATALOG # AAA290605	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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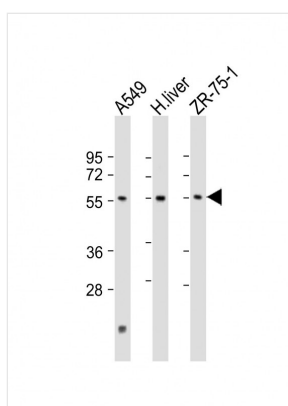
PRODUCT SYNONYMS

PM20D1; Polyclonal Antibody; PM20D1 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); Probable carboxypeptidase PM20D1; 3417-; Peptidase M20 domain-containing protein 1; anti-PM20D1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
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.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	502
Applicable Applications for anti-PM20D1 antibody	ELISA, WB (Western Blot)
Antigen Region	125-159
Preparation and Storage	For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-PM20D1 Antibody (N-Term) at 1:2000 dilution
Lane 1: A549 whole cell lysate
Lane 2: human liver lysate
Lane 3: ZR-75-1 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 56 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PM20D1 antibody	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).
Product Categories/Family for anti-PM20D1 antibody	Cancer; Signal Transduction
References	Ota T.,et al.Nat. Genet. 36:40-45(2004). Gregory S.G.,et al.Nature 441:315-321(2006).

NCBI AND UNIPROT INFORMATION

NCBI GI #	269846968
NCBI GeneID	148811
NCBI Accession #	NP_689704.4
NCBI GenBank Nucleotide #	NM_152491.4
UniProt Accession #	Q6GTS8; Q6P4E3; Q96DM4
Molecular Weight	55741
NCBI Official Full Name	probable carboxypeptidase PM20D1
NCBI Official Synonym Full Names	peptidase M20 domain containing 1
NCBI Official Symbol	PM20D1
NCBI Official Synonym Symbols	Cps1
NCBI Protein Information	probable carboxypeptidase PM20D1
UniProt Protein Name	Probable carboxypeptidase PM20D1
UniProt Gene Name	PM20D1
UniProt Entry Name	P20D1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pm20d1-antibody-western-blot-elisa/290605>