

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

PM20D1 Antibody (N-Term)

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA290605</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

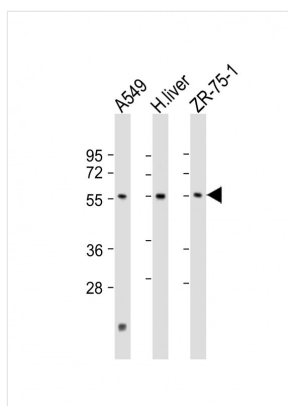
### PRODUCT SYNONYMS

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% NFDM/TBST.

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://www.aaabiotech.com/polyclonal/pm20d1-antibody-western-blot-elisa/290605>