

## Rabbit PTRF Polyclonal Antibody | anti-PTRF antibody

PTRF Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA322713 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

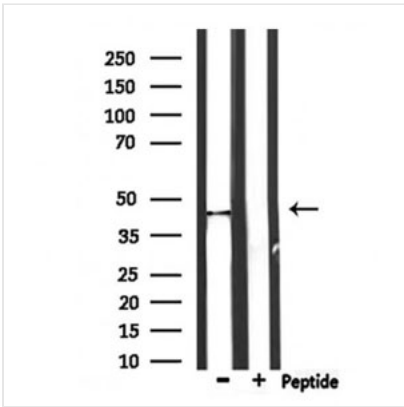
### PRODUCT SYNONYMS

PTRF; Polyclonal Antibody; PTRF Antibody; 2310075E07Rik; AW546441; Cavin 1; Cavin; Cavin-1; CAVIN1; CGL4; FKSG13; FLJ90031; MGC118550; OTTMUSP00000002049; Polymerase I and transcript release factor; Ptrf; PTRF\_HUMAN; RNA polymerase I and transcript release factor; RP23-279L23.6; TTF I interacting peptide 12; anti-PTRF antibody

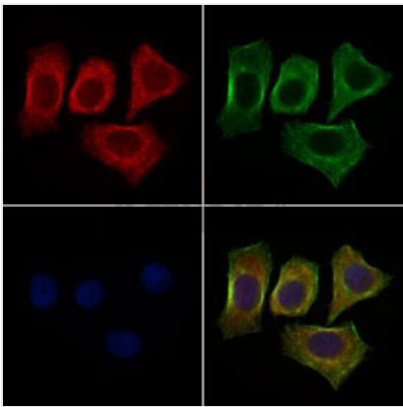
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                                         |
| Clonality                                      | Polyclonal                                                                                                |
| Isotype                                        | IgG                                                                                                       |
| Specificity                                    | PTRF antibody detects endogenous levels of total PTRF                                                     |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.             |
| Form/Format                                    | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                       |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                    |
| Sequence Length                                | 390                                                                                                       |
| Applicable Applications for anti-PTRF antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                              |
| Immunogen                                      | A synthesized peptide derived from human PTRF, corresponding to a region within the internal amino acids. |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                         |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from mouse brain, using PTRF Ab.



**IF (Immunofluorescence)**  
AAA322713 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA322713 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTRF antibody | <p>Function: Plays an important role in caveolae formation and organization. Essential for the formation of caveolae in all tissues (PubMed:18056712, PubMed:18191225, PubMed:19726876). Core component of the CAVIN complex which is essential for recruitment of the complex to the caveolae in presence of calveolin-1 (CAV1). Essential for normal oligomerization of CAV1. Promotes ribosomal transcriptional activity in response to metabolic challenges in the adipocytes and plays an important role in the formation of the ribosomal transcriptional loop. Dissociates transcription complexes paused by DNA-bound TTF1, thereby releasing both RNA polymerase I and pre-RNA from the template (By similarity).</p> <p>Similarity: The leucine-zipper domain 1 is essential for its localization in the caveolae. Belongs to the CAVIN family.</p> |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 42734430                                               |
| NCBI GeneID                      | 284119                                                 |
| NCBI Accession #                 | NP_036364.2                                            |
| NCBI GenBank Nucleotide #        | NM_012232.5                                            |
| UniProt Accession #              | Q6N2I2; O00535; Q6GMY1; Q96H74; Q9BT85; Q9HAP4; B2RAW7 |
| Molecular Weight                 | 43 kDa                                                 |
| NCBI Official Full Name          | caveolae-associated protein 1                          |
| NCBI Official Synonym Full Names | caveolae associated protein 1                          |
| NCBI Official Symbol             | CAVIN1                                                 |
| NCBI Official Synonym Symbols    | CGL4; PTRF; CAVIN; FKSG13; cavin-1                     |
| NCBI Protein Information         | caveolae-associated protein 1                          |
| UniProt Protein Name             | Caveolae-associated protein 1                          |
| UniProt Gene Name                | CAVIN1                                                 |
| UniProt Synonym Gene Names       | PTRF                                                   |

**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/ptrf-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322713>