

## Product datasheet for **AP50123PU-N**

### AMID (AIFM2) (C-term) Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | FC, IHC, WB   |
| Recommended Dilution: | <b>ELISA:</b> 1/1000.<br><b>Western blotting:</b> 1/50 - 1/100.<br><b>Flow Cytometry:</b> 1/10 - 1/50.<br><b>Immunohistochemistry:</b> 1/50 - 1/100.  |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | Ig  |
| Clonality:            | Polyclonal  |
| Immunogen:            | KLH conjugated synthetic peptide between 326~356 amino acids from the C-terminal region of human AIFM2  |
| Specificity:          | This antibody reacts to AIF2.   |
| Formulation:          | PBS containing 0.09% (W/V) sodium azide as preservative<br>State: Purified<br>State: Liquid purified Ig fraction  |
| Concentration:        | lot specific  |
| Purification:         | Saturated Ammonium Sulfate (SAS) precipitation  |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | apoptosis inducing factor, mitochondria associated 2  |
| Database Link:        | <a href="#">Entrez Gene 84883 Human Q9BRQ8</a>  |
| Background:           | AIFM2 is significant homology to NADH oxidoreductases and the apoptosis-inducing factor PDCD8/AIF. The protein has been shown to induce apoptosis. This protein is found to be induced by tumor suppressor protein p53 in colon cancer cells. |



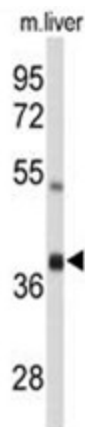
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**Synonyms:** Apoptosis-inducing factor 2, AMID, PRG3

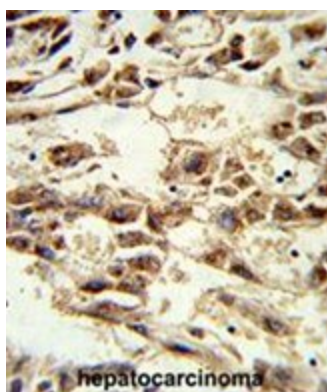
**Note:** **Molecular Weight:** 40527 Da

**Protein Families:** Druggable Genome, Transmembrane

**Product images:**

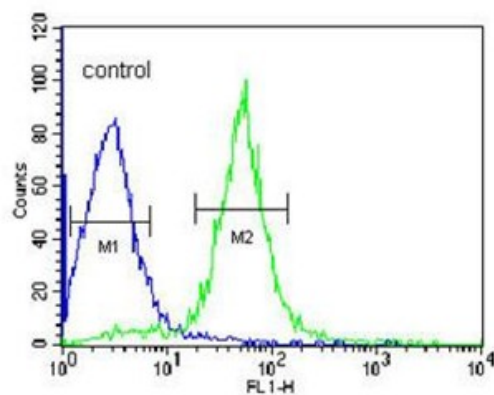


Western blot analysis of AIFM2 Antibody (C-term) in mouse liver tissue lysates (35 ug/lane). AIFM2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with AIFM2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## HepG2



AIFM2 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.