

Product datasheet for **AP01206PU-S**

HM74 (HCAR3) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 300-350 of Human HM74. |
| Specificity: | This antibody detects endogenous levels of HM74 protein. (region surrounding Thr327) |
| Formulation: | Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen. |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: One year from despatch. |
| Predicted Protein Size: | ~ 45 kDa |
| Gene Name: | hydroxycarboxylic acid receptor 3 |
| Database Link: | Entrez Gene 8843 Human P49019 |



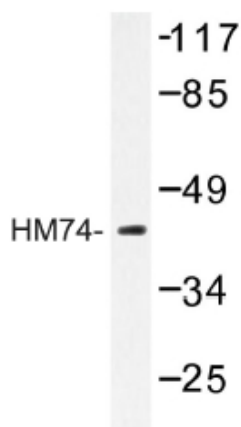
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Background:

This is a receptor for nicotinic acid. Acts as a low affinity receptor for nicotinic acid and mediate its anti-lipolytic effect through a G(i)-protein-mediated inhibition of adenylyl cyclase. This pharmacological effect requires nicotinic acid doses that are much higher than those provided by a normal diet. Expression in humans is largely restricted to adipose tissue and spleen but there are some reports of it being expressed in lymphocytes and monocytes. In mouse is expressed in lungs, spleen, heart, skeletal muscle and adipose tissue. In rat it is expressed in adipose tissue, lung and spleen. ESTs have been isolated from adipose, blood, liver, liver/spleen, placenta, prostate, and testis libraries.

Synonyms:

G-protein coupled receptor 109B, HM74B, HM74, GPR109B, NIACR2, Niacin receptor 2

Product images:

Western blot (WB) analysis of HM74 antibody in extracts from RAW264.7 cells.