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HM74 Polyclonal Antibody

Cat #: ABP56889 Size: 30μl /100μl /200μl

Product Information

	Product Name: HM74 Polyclonal Antibody		
	Applications: WB, IF, ELISA		**Isotype:** Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	**Catalog Number:** ABP56889	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: HM74, also known as PUMAG or Puma-g, is a member of the G protein coupled receptor (GPCR) superfamily. In humans, HM74 is encoded by two different genes (GPR109A and GPR109B) that express two distinct proteins, namely HM74A and HM74B (also known as simply HM74), which are 96% homologous. In mice and rats, only one gene (deisngnated Gpr109a) encodes the HM74 protein. HM74B is a Gi protein-coupled receptor that mediates the metabolic effects of nicotinic acid. Localizing to the cell membrane, HM74B is highly expressed in adipocytes, immune cells and spleen and, like all members of the GPCR superfamily, contains seven transmembrane domains. HM74B lacks the characteristic N-linked glycosylation sites that are present in other GPCR family members and also shows a more diverged amino acid sequence homology from most family members, implying different ligand specificity.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:200-1:1000), ELISA (1:10000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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