

Rabbit GPR109A/HM74A/HCAR2 Polyclonal Antibody | anti-GPR109A/HM74A/HCAR2 antibody

GPR109A/HM74A/HCAR2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179498	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

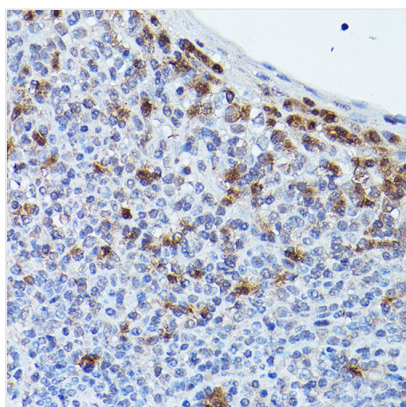
PRODUCT SYNONYMS

GPR109A/HM74A/HCAR2; Polyclonal Antibody; GPR109A/HM74A/HCAR2 Polyclonal Antibody; HCAR2; GPR109A; HCA2; HM74a; HM74b; NIACR1; PUMAG; Puma-g; anti-GPR109A/HM74A/HCAR2 antibody

PRODUCT SPECIFICATIONS

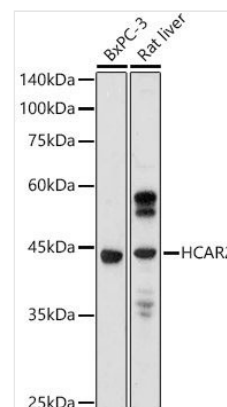
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-GPR109A/HM74A/HCAR2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human GPR109A/HM74A/HCAR2
Research Area	Cell Biology, Cardiovascular, Metabolism, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human tonsil using GPR109A/HM74A/HCAR2 Polyclonal Antibody at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using GPR109A/HM74A/HCAR2 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR109A/HM74A/HCAR2 antibody	Acts as a high affinity receptor for both nicotinic acid (also known as niacin and (D-beta-hydroxybutyrate and mediates increased adiponectin secretion and decreased lipolysis through 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. Mediates nicotinic acid-induced apoptosis in mature neutrophils. Receptor activation by nicotinic acid results in reduced cAMP levels which may affect activity of cAMP-dependent protein kinase A and phosphorylation of target proteins, leading to neutrophil apoptosis. The rank order of potency for the displacement of nicotinic acid binding is 5-methyl pyrazole-3-carboxylic acid = pyridine-3-acetic acid > acifran > 5-methyl nicotinic acid = acipimox >> nicotinuric acid = nicotinamide.
Product Categories/Family for anti-GPR109A/HM74A/HCAR2 antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	152112976
NCBI GeneID	338442
UniProt Accession #	Q8TDS4; A0PJL5; A7LGG3
Molecular Weight	41,850 Da
NCBI Official Full Name	G protein-coupled receptor 109A
NCBI Official Synonym Full Names	hydroxycarboxylic acid receptor 2
NCBI Official Symbol	HCAR2
NCBI Official Synonym Symbols	HCA2; HM74a; HM74b; PUMAG; NIACR1; Puma-g; GPR109A
NCBI Protein Information	hydroxycarboxylic acid receptor 2
UniProt Protein Name	Hydroxycarboxylic acid receptor 2
UniProt Gene Name	HCAR2
UniProt Synonym Gene Names	GPR109A; HCA2; HM74A; NIACR1

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/gpr109a-hm74a-hcar2-antibody-immunohistochemistry-western-blot-elisa/179498>