

Rabbit HCAR2 Polyclonal Antibody | anti-HCAR2 antibody

HCAR2 Polyclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA28288	Rabbit	Western Blot, Immunofluorescence, Immunohistochemistry, Immunocytochemistry

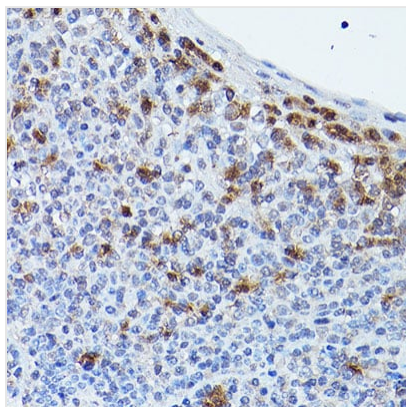
PRODUCT SYNONYMS

HCAR2; Polyclonal Antibody; HCAR2 Polyclonal Antibody; GPR109A; HCA2; HM74a; HM74b; NIACR1; PUMAG; Puma-g; hydroxycarboxylic acid receptor 2; anti-HCAR2 antibody

PRODUCT SPECIFICATIONS

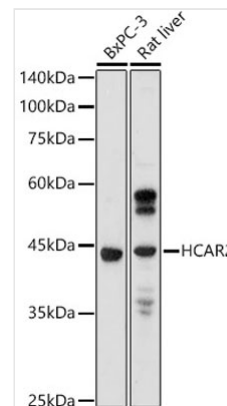
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-HCAR2 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IF/ICC: 1:50-1:200 IHC: 1:50-1:200
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human GPR109A/HM74A/HCAR2 (NP_808219.1)
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



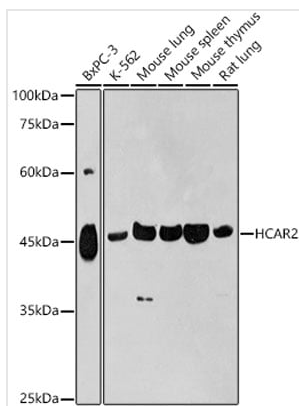
IHC (Immunohistochemistry)

Immunohistochemistry of paraffinembedded human tonsil using HCAR2 Rabbit pAb (AAA28288) at dilution of 1:25 (40x lens).



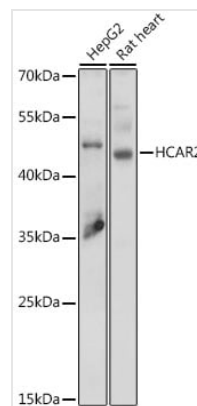
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HCAR2 antibody (AAA28288) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HCAR2 antibody (AAA28288) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HCAR2 antibody (AAA28288) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	152112976
NCBI GeneID	338442
UniProt Accession #	Q8TDS4
Molecular Weight	Observed MW: 44KDa Calculated MW: 42kDa
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/hcar2-antibody-western-blot-immunofluorescence-immunohistochemistry-immunocytochemistry-elisa/28288>