

## Rabbit HCAR2 Polyclonal Antibody | anti-HCAR2 antibody

HCAR2 antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                 | APPLICATIONS |
|-----------|--------|--------------------------------------------|--------------|
| AAA201245 | Rabbit | Cow, Guinea Pig, Human, Mouse, Rabbit, Rat | Western Blot |

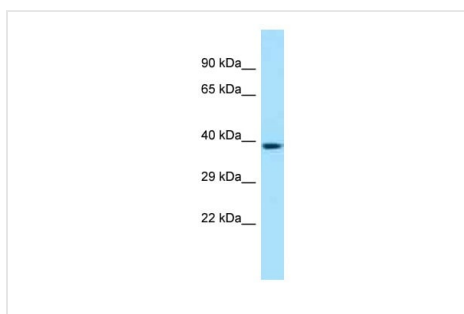
### PRODUCT SYNONYMS

HCAR2; Polyclonal Antibody; HCAR2 antibody - C-terminal region; anti-HCAR2 antibody

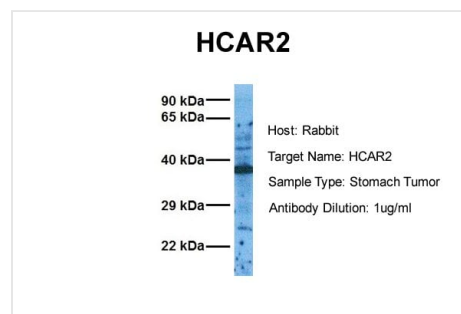
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Guinea Pig, Human, Mouse, Rabbit, Rat                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: YY FSSPSFPNFF STLINRCLQR KMTGEPDNNR STSVELTGDP NKTRGAPE                                                  |
| Sequence Length                                 | 363                                                                                                                                                   |
| Applicable Applications for anti-HCAR2 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 91%; Guinea Pig: 92%; Human: 100%; Mouse: 100%; Rabbit: 92%; Rat: 100%                                                                           |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-HCAR2 Antibody Titration: 1.0 ug/ml Positive Control: MCF7 Whole Cell


**WB (Western Blot)**

Host: Rabbit Target Name: HCAR2 Sample Tissue: Human Stomach Tumor Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HCAR2 antibody | <p>This is a rabbit polyclonal antibody against HCAR2. It was validated on Western Blot</p> <p>Target Description: HCAR2 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 &gt; acifran &gt; 5-methyl nicotinic acid = acipimox &gt;&gt; nicotinuric acid = nicotinamide.</p> |
| Product Categories/Family for anti-HCAR2 antibody   | Polyclonal; Various                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 29171311                                           |
| NCBI GeneID                      | 338442                                             |
| NCBI Accession #                 | NP_808219                                          |
| NCBI GenBank Nucleotide #        | NM_177551                                          |
| UniProt Accession #              | Q8TDS4                                             |
| Molecular Weight                 | 42kDa                                              |
| NCBI Official Full Name          | hydroxycarboxylic acid receptor 2                  |
| 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-elisa/201245>