

Datasheet for ABIN1702108

## anti-GPR20 antibody (AA 51-150) (Cy3)



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### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | GPR20                                                                                                                          |
| Binding Specificity: | AA 51-150                                                                                                                      |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This GPR20 antibody is conjugated to Cy3                                                                                       |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human G protein coupled receptor 20 |
| Isotype:          | IgG                                                                               |
| Cross-Reactivity: | Human                                                                             |
| Purification:     | Purified by Protein A.                                                            |

### Target Details

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| Target:           | GPR20                                                                          |
| Alternative Name: | GPR20 ( <a href="#">GPR20 Products</a> )                                       |
| Background:       | Synonyms: G protein coupled receptor 20, G-protein coupled receptor 20, Gpr20, |

## Target Details

GPR20\_HUMAN, GPCR GPR20.

Background: G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. GPR signaling is an evolutionarily ancient mechanism used by all eukaryotes to sense environmental stimuli and mediate cell-cell communication. G protein-coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR20 is a 358 amino acid membrane protein that constitutively activates G(i) proteins without ligand stimulation. Also, GPR20 may be involved in the control of intracellular cAMP levels and mitogenic signaling. Interestingly, GPR20 is expressed in liver and certain regions of the brain, including putamen, caudate and thalamus, but is not expressed in hypothalamus, pons and frontal cortex.

Gene ID: 2843

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months