

# GPR35 (H-79): sc-292298

## 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. 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. GPR35 (G protein-coupled receptor 35) is a 309 amino acid multi-pass membrane protein that belongs to the G-protein coupled receptor 1 family. Expressed in adult and fetal tissues, including lung, pancreas, colon and intestine, GPR35 functions as an orphan receptor that is thought to play a role in signaling events throughout the cell.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: GPR35 (human) mapping to 2q37.3; Gpr35 (mouse) mapping to 1 D.

## SOURCE

GPR35 (H-79) is a rabbit polyclonal antibody raised against amino acids 231-309 mapping at the C-terminus of GPR35 of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

GPR35 (H-79) is recommended for detection of GPR35 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

GPR35 (H-79) is also recommended for detection of GPR35 in additional species, including equine.

Suitable for use as control antibody for GPR35 siRNA (h): sc-75177, GPR35 siRNA (m): sc-75178, GPR35 shRNA Plasmid (h): sc-75177-SH, GPR35 shRNA Plasmid (m): sc-75178-SH, GPR35 shRNA (h) Lentiviral Particles: sc-75177-V and GPR35 shRNA (m) Lentiviral Particles: sc-75178-V.

Molecular Weight of GPR35: 34 kDa.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.