

FCHO1 (P-16): sc-103492



The Power to Question

BACKGROUND

FCHO1 (FCH domain only 1) is an 889 amino acid protein that contains one FCH domain and exists as multiple alternatively spliced isoforms. The gene encoding FCHO1 maps to human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fc receptors (FcRs). Key genes for eye color and hair color also map to chromosome 19.

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RESEARCH USE

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

CHROMOSOMAL LOCATION

Genetic locus: FCHO1 (human) mapping to 19p13.11; Fcho1 (mouse) mapping to 8 B3.3.

SOURCE

FCHO1 (P-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FCHO1 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.

Blocking peptide available for competition studies, sc-103492 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FCHO1 (P-16) is recommended for detection of FCHO1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with FCHO2.

Suitable for use as control antibody for FCHO1 siRNA (h): sc-97726, FCHO1 siRNA (m): sc-105351, FCHO1 shRNA Plasmid (h): sc-97726-SH, FCHO1 shRNA Plasmid (m): sc-105351-SH, FCHO1 shRNA (h) Lentiviral Particles: sc-97726-V and FCHO1 shRNA (m) Lentiviral Particles: sc-105351-V.

Molecular Weight of FCHO1: 97 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.