

IGSF6 (M-63): sc-134691

BACKGROUND

Ig (immunoglobulin) superfamily members exhibit functional characteristics including immune responses, growth factor signaling and cell adhesion. IGSF6 (immunoglobulin superfamily, member 6), also known as DORA, is a novel 241 amino acid single-pass type I membrane protein that contains one Ig-like C2-type (immunoglobulin-like) domain. Expressed in spleen, Dendritic cells, peripheral blood lymphocytes and lymph node, IGSF6 is induced by TNF α and GM-CSF in dendritic cells and downregulated by ionomycin and PMA in monocytes. IGSF6 may function as a co-receptor in the antigen uptake complex or Dendritic cell recirculation and is encoded by a gene located on human chromosome 16p12.2, a locus associated with inflammatory bowel disease.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Igsf6* (mouse) mapping to 7 F2.

SOURCE

IGSF6 (M-63) is a rabbit polyclonal antibody raised against amino acids 63-125 mapping within an internal region of IGSF6 of mouse origin.

PRODUCT

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

STORAGE

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

APPLICATIONS

IGSF6 (M-63) is recommended for detection of IGSF6 of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

Suitable for use as control antibody for IGSF6 siRNA (m): sc-146192, IGSF6 shRNA Plasmid (m): sc-146192-SH and IGSF6 shRNA (m) Lentiviral Particles: sc-146192-V.

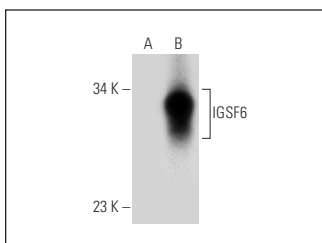
Molecular Weight of IGSF6: 27 kDa.

Positive Controls: IGSF6 (m): 293T Lysate: sc-126999.

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.

DATA



IGSF6 (M-63): sc-134691. Western blot analysis of IGSF6 expression in non-transfected: sc-117752 (A) and mouse IGSF6 transfected: sc-126999 (B) 293T whole cell lysates.

RESEARCH USE

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

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Try **IGSF6 (H-5): sc-377053**, our highly recommended monoclonal alternative to IGSF6 (M-63).