**BACKGROUND**

Members of the REEP (receptor expression enhancing protein) family contain a TB2/DPI1 and a HVA22 domain, which are involved in intracellular trafficking and secretion. REEP6 (receptor expression enhancing protein 6), also known as receptor accessory protein 6, DPI1L1 or TB2L1, is a 184 amino acid multi-pass membrane protein belonging to the DPI1 family. REEP6 may enhance the cell surface expression of odorant receptors and may interact with odorant receptor proteins. The gene encoding REEP6 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) superfamilies members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcRs).

**REFERENCES**

3. Sato, H., et al. 2005. Deleted in polyposis 1-like 1 gene (Dp1l1): a novel receptor accessory protein of human origin by Western Blotting (starting dilution 1:100, 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).

**CHROMOSOMAL LOCATION**

Genetic locus: REEP6 (human) mapping to 19p13.3; Reep6 (mouse) mapping to 10 C1.

**SOURCE**

REEP6 (H-9) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 1-18 at the N-terminus of REEP6 of human origin.

**PRODUCT**

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

Blocking peptide available for competition studies, sc-393569 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

**APPLICATIONS**

REEP6 (H-9) is recommended for detection of REEP6 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).

 Suitable for use as control antibody for REEP6 siRNA (h): sc-97151, REEP6 siRNA (m): sc-152795, REEP6 shRNA Plasmid (h): sc-97151-SH, REEP6 shRNA Plasmid (m): sc-152795-SH, REEP6 shRNA (h) Lentiviral Particles: sc-97151-V and REEP6 shRNA (m) Lentiviral Particles: sc-152795-V.

Molecular Weight of REEP6: 21 kDa.

Positive Controls: REEP6 (h): 293T Lysate: sc-110960.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG HRP: sc-516102 or m-IgG BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminal Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG HRP: sc-516140 or m-IgG BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Luminol Reagent: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**DATA**

REEP6 (H-9): sc-393569. Western blot analysis of REEP6 expression in non-transfected: sc-117751(A) and human REEP6 transfected: sc-110960 (B) 293T whole cell lysates.

**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 for detailed protocols and support products.