

BOB (N-20): sc-8524

BACKGROUND

Bonzo (also designated STRL33.3) and BOB (brother of Bonzo; also designated GRP15) are seven-transmembrane, G protein-coupled receptors that are closely related to chemokine receptor family members. In conjunction with CD4, several chemokine receptors are known to serve as receptors for HIV-1 entry into cells. Bonzo and BOB are utilized by simian immunodeficiency virus (SIV), HIV-2 and M-tropic HIV-1 for cell entry. Bonzo and BOB are both expressed in lymphoid tissues, and BOB is also expressed in colon.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GPR15 (human) mapping to 3q11.2.

SOURCE

BOB (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of BOB of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-8524 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

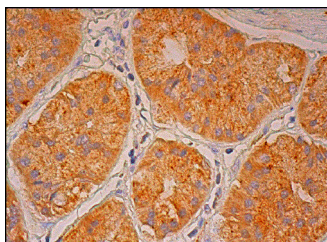
BOB (N-20) is recommended for detection of BOB (also designated GPR15) of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting 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 BOB siRNA (h): sc-39897, BOB shRNA Plasmid (h): sc-39897-SH and BOB shRNA (h) Lentiviral Particles: sc-39897-V.

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. 3) Immunohistochemistry: use ImmunoCruz[™]: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



BOB (N-20): sc-8524. Immunoperoxidase staining of formalin fixed, paraffin-embedded human upper stomach tissue showing cytoplasmic staining of glandular cells.

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 or our catalog for detailed protocols and support products.