

## Anti-GPR15/BOB Antibody

### ORDERING INFORMATION

**Catalog No.:** 2101

**Size:** 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

### BACKGROUND

Human immunodeficiency virus (HIV) and related viruses require co-receptors to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, CCR2b, and CCR8 in the chemokine receptor family, and four new human molecules GPR15, STRL33, GPR1, and V28 have been recently identified as HIV co-receptors. The genes encoding human and monkey GPR15/BOB (for G protein-coupled receptor 15 and brother of Bonzo) have been cloned. This novel g protein-coupled receptor serves as co-receptor for SIV and for strains of HIV-2 and M-tropic HIV-1. The ligand for GPR15 is under investigation.

### SPECIFICATION SUMMARY

**Antigen:** Peptide corresponding to aa 13-28 of human GPR15. This sequence differs from those of African green monkey and pig-tailed macaque BOB by one amino acid.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes GPR15/BOB of human, mouse, and rat (50 kD).

### APPLICATIONS

*Immunoblotting:* use at 1:500-1:2,000 dilution.

*Positive control:* Jurkat or A549 cell lysate.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures*