

# **Bonzo Antibody**

Catalog # ASC10033

### **Product Information**

**Application** WB, E **Primary Accession** 000574

Other Accession AAB64221, 2253422

Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype IgG
Calculated MW 39280

**Conjugate** Unconjugated

**Application Notes**Bonzo antibody can be used for detection of Bonzo by Western blot at 1:1000

dilution.

#### **Additional Information**

**Gene ID** 10663

Other Names Bonzo Antibody: BONZO, CD186, STRL33, TYMSTR, BONZO, C-X-C chemokine

receptor type 6, CDw186, CXC-R6, chemokine (C-X-C motif) receptor 6

Target/Specificity CXCR6;

**Reconstitution & Storage** Bonzo antibody can be stored at 4°C for three months and -20°C, stable for

up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high

temperatures.

**Precautions**Bonzo Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

#### **Protein Information**

Name CXCR6

**Synonyms** BONZO, STRL33, TYMSTR

**Function** Receptor for the C-X-C chemokine CXCL16. Used as a coreceptor by SIVs and

by strains of HIV-2 and m-tropic HIV-1.

**Cellular Location** Cell membrane; Multi-pass membrane protein.

**Tissue Location** Expressed in lymphoid tissues and activated T cells

## **Background**

Bonzo Antibody: Human immunodeficiency virus (HIV) and simian immunodeficiency virus (SIV) require coreceptors, in addition to CD4, to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, and CCR2b in the chemokine receptor family have been identified as HIV coreceptors. An orphan G protein-coupled receptor was recently cloned and designated Bonzo, STRL33 and TYMSTR, and identified as HIV and SIV coreceptor. Bonzo/STRL33 is used by SIV, HIV-2 and HIV-1. The messenger RNA of Bonzo/STRL33 is expressed in lymphoid tissues and activated peripheral blood lymphocytes.

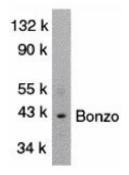
#### References

Deng HK, Unutmaz D, KewalRamani VN, Littman DR. Expression cloning of new receptors used by simian and human immunodeficiency viruses. Nature 1997;388:296-300

Liao F, Alkhatib G, Peden KW, Sharma G, Berger EA, Farber JM. STRL33, A novel chemokine receptor-like protein, functions as a fusion cofactor for both macrophage-tropic and T cell line-tropic HIV-1. J Exp Med 1997;185:2015-23

Alkhatib G, Liao F, Berger EA, Farber JM, Peden KW. A new SIV co-receptor, STRL33. Nature 1997;388:238 Loetscher M, Amara A, Oberlin E, Brass N, Legler D, Loetscher P, D'Apuzzo M, Meese E, Rousset D, Virelizier JL, Baggiolini M, Arenzana-Seisdedos F, Moser B. TYMSTR, a putative chemokine receptor selectively expressed in activated T cells, exhibits HIV-1 coreceptor function. Curr Biol 1997;7:652-60 (RD1299)

## **Images**



Western blot analysis of Bonzo in SW1353 total cells lysate with Bonzo antibody at 1:1000 dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.