

# **Bonzo Antibody**

Catalog # ASC10082

### **Product Information**

**Application** WB, IF, E, IHC-P

Primary Accession 000574

Other Accession AAB64221, 2253422

Reactivity
Human
Rabbit
Clonality
Polyclonal
Isotype
IgG
Calculated MW
Concentration (mg/ml)
Conjugate
Human
Rabbit
Polyclonal
IgG
Unconjugate

**Application Notes**Bonzo antibody can be used for detection of Bonzo by Western blot at 0.5

□g/mL. Antibody can also be used for immunohistochemistry starting at 20

□g/mL. For immunofluorescence start at 20 □g/mL.

#### **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**

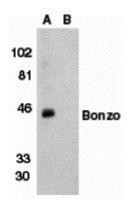
Bonzo Antibody: Human immunodeficiency virus (HIV) and simian immunodeficiency virus (SIV) require coreceptors, in addition to CD4, to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, and CCR2b in the chemokine receptor family have been identified as HIV coreceptors.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

#### References

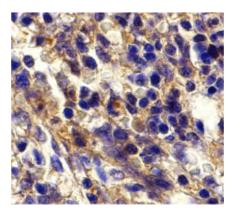
Deng HK, Unutmaz D, KewalRamani VN, et al. Expression cloning of new receptors used by simian and human immunodeficiency viruses. Nature 1997; 388:296-300.

Liao F, Alkhatib G, Peden KW, et al. 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, et al. A new SIV co-receptor, STRL33. Nature 1997; 388:238. Loetscher M, Amara A, Oberlin E, et al. TYMSTR, a putative chemokine receptor selectively expressed in activated T cells, exhibits HIV-1 coreceptor function. Curr. Biol. 1997; 7:652-60.

## **Images**



Western blot analysis of Bonzo in human spleen tissue lysate with Bonzo antibody at 1 µg/mL in (A) the absence or (B) the presence of blocking peptide.



Immunohistochemistry of Bonzo in human spleen tissue with Bonzo antibody at 20  $\mu$ g/mL.

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