

Anti-Bonzo (CT) STRL33, TYMSTR

CATALOG NO.: PX162A SIZE: 100 µg
PX162B SIZE: 0.5 mg

BACKGROUND:

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 (1-4). 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.

SOURCE:

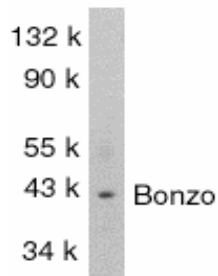
Rabbit anti-Bonzo polyclonal antibody was raised against a peptide corresponding to amino acids 319 to 338 of human origin (1,2). The sequence of this peptide is identical to those of macaque and African green monkey.

APPLICATION:

This polyclonal antibody can be used for detection of Bonzo by Western blot at 1:1000 dilution. Whole cell lysate from SW1353 cells can be used as positive control. This antibody is for research use only.

STORAGE:

It is supplied as purified IgG fraction, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of Bonzo in SW1353 total cells lysate with anti-Bonzo (CT) at 1:1000 dilution.

REFERENCES:

1. 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
2. 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
3. Alkhatib G, Liao F, Berger EA, Farber JM, Peden KW. A new SIV co-receptor, STRL33. *Nature* 1997;388:238
4. 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

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com