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Bonzo Antibody

Catalog # ASC10082

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O00574
Other Accession	AAB64221, 2253422
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	39280
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
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

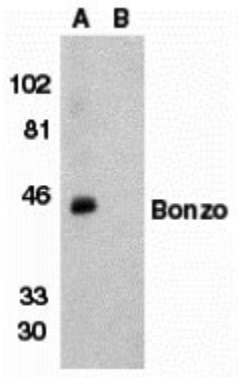
Background

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.

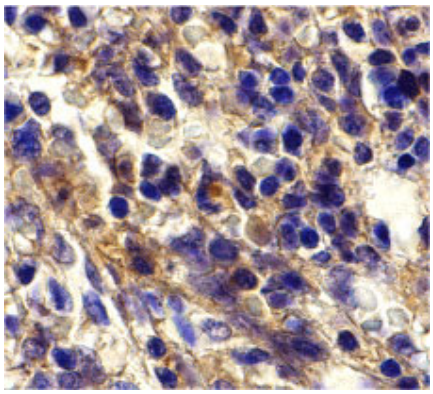
References

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 µg/mL.