

Bonzo Antibody
Catalog # ASC10082**Specification**

Bonzo Antibody - Product Information

| | |
|-------------------|--|
| Application | WB, IHC |
| Primary Accession | O00574 |
| Other Accession | AAB64221 , 2253422 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Calculated MW | Predicted: 38 kDa |

| | |
|-------------------|---|
| Application Notes | Observed: 43 kDa KDa Bonzo antibody can be used for detection of Bonzo by Western blot at 0.5 µg/mL. Antibody can also be used for immunohistochemistry starting at 20 µg/mL. For immunofluorescence start at 20 µg/mL. |
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Bonzo Antibody - Additional InformationGene 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.

Bonzo Antibody - 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

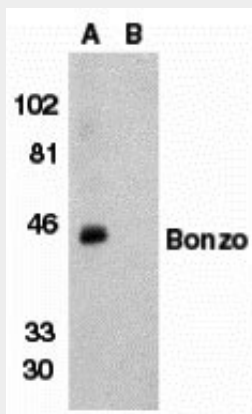
Expressed in lymphoid tissues and activated T cells

Bonzo Antibody - Protocols

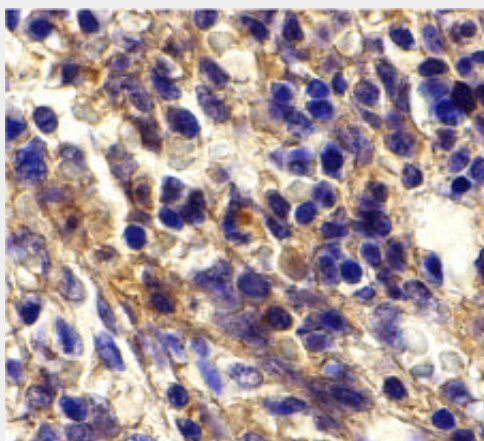
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Bonzo Antibody - Images



Western blot analysis of Bonzo in human spleen tissue lysate with Bonzo antibody at 1 $\mu\text{g/mL}$ in (A) the absence or (B) the presence of blocking peptide.



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

Bonzo Antibody - 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.

Bonzo Antibody - 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.