10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Bonzo Antibody
Catalog # ABO11388

Specification

Anti-Bonzo Antibody - Product Information

Application	**IHC, WB**
Primary Accession	O00574
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 6(CXCR6) detection. Tested with WB, IHC-P in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Bonzo Antibody - Additional Information

Gene ID 10663

Other Names
C-X-C chemokine receptor type 6, CXC-R6, CXCR-6, CDw186, G-protein coupled receptor STRL33, G-protein coupled receptor bonzo, CD186, CXCR6, BONZO, STRL33, TYMSTR

Calculated MW
39280 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cell membrane; Multi-pass membrane protein.

Tissue Specificity
Expressed in lymphoid tissues and activated T cells.

Protein Name
C-X-C chemokine receptor type 6

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human Bonzo(322-342aa EDNSKTFSASHNVEATSMFQL), different from the related mouse and rat sequences by three amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Sequence Similarities
Belongs to the G-protein coupled receptor 1 family.

Anti-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

Anti-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 Cytomety
- Cell Culture

Anti-Bonzo Antibody - Images

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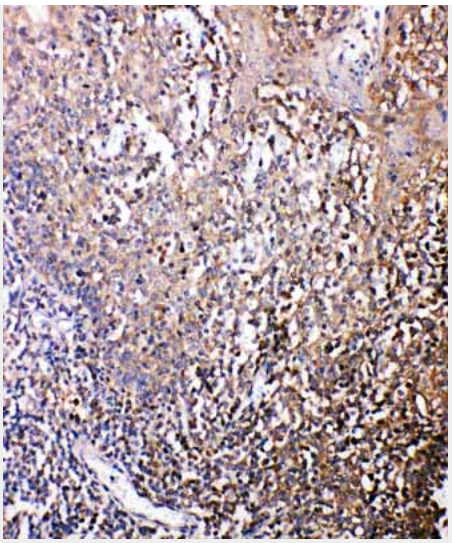
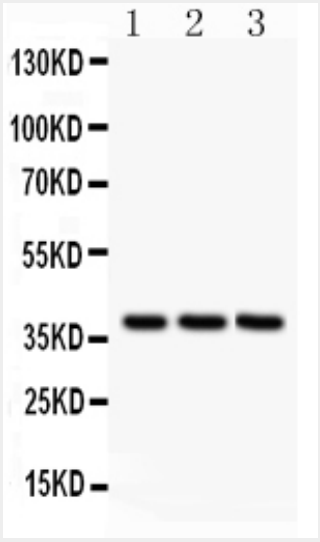


Anti-Bonzo antibody, ABO11388, IHC(P)IHC(P): Human Tonsil Tissue



Anti-Bonzo antibody, ABO11388, Western blottingAll lanes: Anti Bonzo (ABO11388) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD

Anti-Bonzo Antibody - Background

CXCR6(Chemokine,CXC Motif, Receptor 6), also known as STRL33, is a protein that in humans is encoded by the CXCR6 gene. By Southern blot analysis of genomic DNA and somatic cell hybrid analysis, Liao et al.(1997) mapped the single-copy STRL33 gene to chromosome 3. Matloubian et al.(2000) found that human and mouse cells expressing CXCR6 showed a strong chemotactic response to CXCL16 but not to other chemokines. The authors concluded that CXCL16 and CXCR6 probably function in interactions between dendritic cells and T cells and in regulating T-cell migration in the splenic red pulp. Kim et al.(2001) concluded that CXCR6 may be important in the trafficking of effector T cells mediating type-1 inflammation.