

Datasheet for ABIN7600201
anti-SWAP70 antibody (AA 161-292)



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Overview

Quantity:	100 µg
Target:	SWAP70
Binding Specificity:	AA 161-292
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SWAP70 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SWAP70 Antibody Picoband®
Immunogen:	E.coli-derived human SWAP70 recombinant protein (Position: H161-K292).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SWAP70 Antibody Picoband® (ABIN7600201). Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SWAP70
Alternative Name:	SWAP70 (SWAP70 Products)
Background:	Synonyms: Aflatoxin B1 aldehyde reductase member 2, AFB1 aldehyde reductase 1, AFB1-AR 1, Aldoketoreductase 7, Succinic semialdehyde reductase, SSA reductase, AKR7A2, AFAR, AFAR1, AKR7 Tissue Specificity: Expressed in basement membranes of lung and kidney. Muscle- and neuron-specific isoforms are found. Isoforms (y+) with the 4 AA insert and (z+8) isoforms with the 8 AA insert are all neuron-specific. Isoforms (z+11) are found in both neuronal and non-neuronal tissues. Background: SWAP70 (Switch-associated protein 70) is a 67-70 kDa intracellular protein that bears limited resemblance to members of the Dbl-family of GEFs for small Rho GTPases. It is expressed in mast cells, dendritic cells and B cells. In mast cells, it promotes the release of anaphylactic mediators, in dendritic cells, it regulates the appearance of MHC II, and in B cells, it forms a nuclear complex that initiates immunoglobulin class switching. Human SWAP70 is 585 amino acids (aa) in length. It contains one plextrin homology (PH) domain (aa 213-304) plus a coiled-coil region (aa 316-539). There are three potential splice variants. One contains an alternative start site at Met70, another shows a deletion of aa 81-138, and a third possesses a 38 aa substitution for aa 453-585. Over aa 386-585, human SWAP70 shares 96 % aa identity with mouse SWAP70.
Molecular Weight:	69 kDa
Gene ID:	23075
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Western blot, 0.5-1 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Borggreffe, T., Masat, L., Wabl, M., Riwar, B., Cattoretti, G., Jessberger, R. Cellular, intracellular, and developmental expression patterns of murine SWAP-70. <i>Europ. J. Immun.</i> 29: 1812-1822, 1999. 2. Borggreffe, T., Wabl, M., Akhmedov, A. T., Jessberger, R. A B-cell-specific DNA recombination complex. <i>J. Biol. Chem.</i> 273: 17025-17035, 1998. 3. Masat, L., Caldwell, J.,
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Application Details

Armstrong, R., Khoshnevisan, H., Jessberger, R., Herndier, B., Wabl, M., Ferrick, D. Association of SWAP-70 with the B cell antigen receptor complex. Proc. Nat. Acad. Sci. 97: 2180-2184, 2000.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.