

Datasheet for ABIN7602062
anti-Malectin antibody (AA 57-278)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Malectin (MLEC)
Binding Specificity:	AA 57-278
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Malectin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Malectin/MLEC Antibody Picoband®
Immunogen:	E.coli-derived human Malectin/MLEC recombinant protein (Position: E57-A278).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Malectin/MLEC Antibody Picoband® (ABIN7602062). Tested in ELISA, IHC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. 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:	Malectin (MLEC)
Alternative Name:	MLEC (MLEC Products)
Background:	<p>Synonyms: E3 ubiquitin-protein ligase RNF169, RING finger protein 169, RING-type E3 ubiquitin transferase RNF169, RNF169, KIAA1991</p> <p>Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.</p> <p>Background: This gene encodes the carbohydrate-binding protein malectin which is a Type I membrane-anchored endoplasmic reticulum protein. This protein has an affinity for Glc2Man9GlcNAc2 (G2M9) N-glycans and is involved in regulating glycosylation in the endoplasmic reticulum. This protein has also been shown to interact with ribophorin I and may be involved in the ing the degradation of misfolded proteins. Alternate splicing results in multiple transcript variants.</p>
Molecular Weight:	32 kDa
Gene ID:	9761
UniProt:	Q14165

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Human, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 3/1/2011. 2. Nagase, T., Seki, N., Tanaka, A., Ishikawa, K., Nomura, N. Prediction of the coding sequences of unidentified human genes. IV. The coding sequences of 40 new genes (KIAA0121-KIAA0160) deduced by analysis of cDNA clones from human cell line KG-1. DNA Res. 2: 167-174, 1995. 3. Schallus, T., Jaeckh, C., Feher, K., Palma, A. S., Liu, Y., Simpson, J. C., Mackeen, M., Stier, G., Gibson, T. J., Feizi, T., Pieler, T., Muhle-Goll, C. Malectin: a novel carbohydrate-binding protein of the endoplasmic reticulum and a candidate player in the early steps of protein N-glycosylation. Molec. Biol. Cell 19: 3404-3414, 2008.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
---------	-------------

Handling

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 Na ₂ HPO ₄ .
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.