

Datasheet for ABIN7601331  
**anti-YTHDC1 antibody (AA 326-651)**



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## Overview

Quantity:	100 µg
Target:	YTHDC1
Binding Specificity:	AA 326-651
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YTHDC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	Anti-YTHDC1 Antibody Picoband®
Immunogen:	E.coli-derived human YTHDC1 recombinant protein (Position: S326-K651).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-YTHDC1 Antibody Picoband® (ABIN7601331). Tested in ELISA, WB 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:	YTHDC1
Alternative Name:	YTHDC1 ( <a href="#">YTHDC1 Products</a> )
Background:	<p>Synonyms: CD160 antigen, Natural killer cell receptor BY55, CD160, BY55</p> <p>Tissue Specificity: Expression is restricted to functional NK and cytotoxic T lymphocytes. Expressed in viral-specific effector memory and terminally differentiated effector memory CD8+ T cells. Expressed in memory and activated CD4+ T cell subsets. Expressed at high levels in intraepithelial lymphocytes. Expressed in both alpha-beta and gamma-delta CD8+ T cell subsets. Expressed in umbilical vein endothelial cells. Expressed in monocytes and at lower levels in B cells. Isoform 3: Expressed exclusively in activated NK cells.</p> <p>Background: YTH domain-containing protein 1 is a protein that in humans is encoded by the YTHDC1 gene. YTHDC1 is a nuclear protein involved in splice site selection that localises to YT bodies, dynamic subnuclear compartments, which first appear at the beginning of S-phase in the cell cycle and disperse during mitosis.</p>
Molecular Weight:	85 kDa
Gene ID:	91746

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartmann, A. M., Nayler, O., Schwaiger, F. W., Obermeier, A., Stamm, S. The interaction and colocalization of Sam68 with the splicing-associated factor YT521-B in nuclear dots is regulated by the Src family kinase p59(fyn). Molec. Biol. Cell 10: 3909-3926, 1999. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 01/03/2017. 3. Haussmann, I. U., Bodi, Z., Sanchez-Moran, E., Mongan, N. P., Archer, N., Fray, R. G., Soller, M. m(6)A potentiates Sxl alternative pre-mRNA splicing for robust Drosophila sex determination. Nature 540: 301-304, 2016.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Add 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, 0.005 mg Sodium azide.

## Handling

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Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.