

Datasheet for ABIN7265662  
**anti-ADC antibody (AA 1-360)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	ADC
Binding Specificity:	AA 1-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADC antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	AZIN2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-360 of human AZIN2 (NP_443724.1).
Sequence:	MAGYLSESDF VMVEEGFSTR DLLKELTLGA SQATTDEVAA FFVADLGAIV RKHFCFLKCL PRVRPFYAVK CNSSPGVLKV LAQLGLGFSC ANKAEMELVQ HIGIPASKII CANPCKQIAQ IKYAAKHGIQ LLSFDNEMEL AKVVKSHPSA KMVLCIATDD SHSLSCLSLK FGVSLKSCRH LLENAKKHHV EVVGVSFHIG SGCPDPQAYA QSIADARLVF EMGTELGHKM HVLDLGGGFP GTEGAKVRFE EIASVINSAL DLYFPEGCGV DIFAELEGYY VTSFTVAVS IIAKKEVLLD QPGREEENGTS TSKTIVYHLD EGVYGFNSV LFDNICPTPI LQKKPSTEQP LYSSSLWGPA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse

## Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

## Target Details

Target: ADC

Alternative Name: AZIN2 ([ADC Products](#))

Background: The protein encoded by this gene belongs to the antizyme inhibitor family, which plays a role in cell growth and proliferation by maintaining polyamine homeostasis within the cell. Antizyme inhibitors are homologs of ornithine decarboxylase (ODC, the key enzyme in polyamine biosynthesis) that have lost the ability to decarboxylase ornithine, however, retain the ability to bind to antizymes. Antizymes negatively regulate intracellular polyamine levels by binding to ODC and targeting it for degradation, as well as by inhibiting polyamine uptake. Antizyme inhibitors function as positive regulators of polyamine levels by sequestering antizymes and neutralizing their effect. This gene encodes antizyme inhibitor 2, the second member of this gene family. Like antizyme inhibitor 1, antizyme inhibitor 2 interacts with all 3 antizymes and stimulates ODC activity and polyamine uptake. However, unlike antizyme inhibitor 1, which is ubiquitously expressed and localized in the nucleus and cytoplasm, antizyme inhibitor 2 is predominantly expressed in the brain and testis and localized in the endoplasmic reticulum-golgi intermediate compartment. Recent studies indicate that antizyme inhibitor 2 is also expressed in specific cell types in ovaries, adrenal glands and pancreas, and in mast cells. The exact function of this gene is not known, however, available data suggest its role in cell growth, spermiogenesis, vesicular trafficking and secretion.,AZIN2,ADC,AZI2,AZIB1,ODC-p,ODC1L,ODCp,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,AZIN2

Molecular Weight: 22kDa/39kDa/40kDa/49kDa/51kDa

Gene ID: 113451

UniProt: [Q96A70](#)

## Application Details

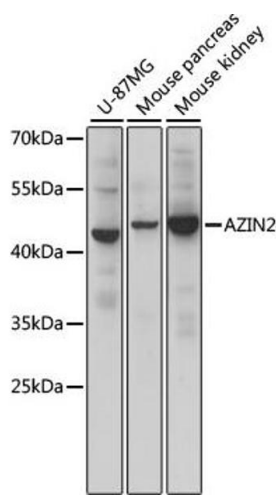
Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using antibody (ABIN7265662) at 1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.