

Datasheet for ABIN7151707

**anti-DICER1 antibody (AA 1721-1922)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	DICER1
Binding Specificity:	AA 1721-1922
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DICER1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human Endoribonuclease Dicer protein (1721-1922AA )
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	DICER1
Alternative Name:	DICER1 ( <a href="#">DICER1 Products</a> )
Background:	Background: Double-stranded RNA (dsRNA) endoribonuclease playing a central role in short dsRNA-mediated post-transcriptional gene silencing. Cleaves naturally occurring long dsRNAs

## Target Details

and short hairpin pre-microRNAs (miRNA) into fragments of twenty-one to twenty-three nucleotides with 3' overhang of two nucleotides, producing respectively short interfering RNAs (siRNA) and mature microRNAs. siRNAs and miRNAs serve as guide to direct the RNA-induced silencing complex (RISC) to complementary RNAs to degrade them or prevent their translation. Gene silencing mediated by siRNAs, also called RNA interference, controls the elimination of transcripts from mobile and repetitive DNA elements of the genome but also the degradation of exogenous RNA of viral origin for instance. The miRNA pathway on the other side is a mean to specifically regulate the expression of target genes.

Aliases: DCR antibody, DCR1 antibody, Dicer 1 ribonuclease III antibody, Dicer 1 ribonuclease type III antibody, Dicer antibody, DICER\_HUMAN antibody, DICER1 antibody, Double-strand-specific ribonuclease antibody, Endoribonuclease Dicer antibody, Helicase MOI antibody, Helicase with RNase motif antibody, HERNA antibody, KIAA0928 antibody, MNG1 antibody, RMSE2 antibody

UniProt: [Q9UPY3](#)

Pathways: [Regulatory RNA Pathways](#), [Stem Cell Maintenance](#), [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

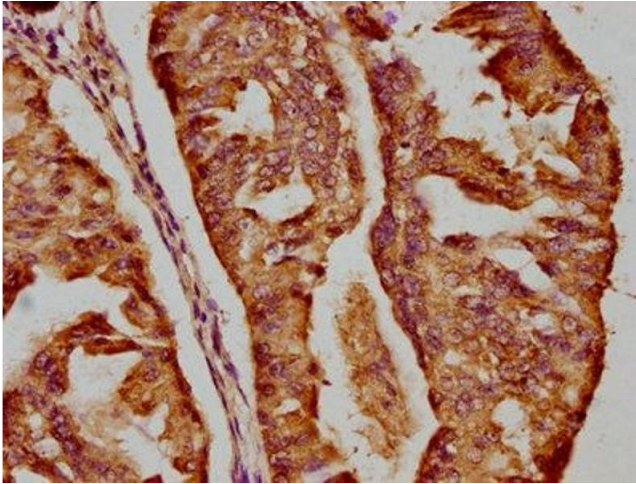
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7151707 diluted at 1:200 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.