

Dicer Polyclonal Antibody | anti-DICER1 antibody

Anti-Dicer Antibody

CATALOG #
AAA46418

APPLICATIONS
Immunohistochemistry, Western Blot

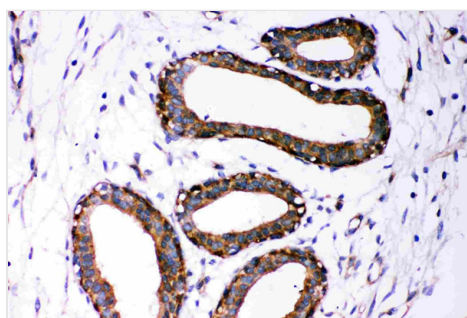
PRODUCT SYNONYMS

Dicer; Polyclonal Antibody; Anti-Dicer Antibody; Endoribonuclease Dicer; DCR; DCR1; Dcr1 homolog (Drosophila); Dicer 1; Dicer 1 ribonuclease type III; DICER_HUMAN; Dicer1; Double-strand-specific ribonuclease; Helicase moi; Helicase with RNase motif; HERNA; KIAA0928; MNG1; RMSE2; dicer 1; ribonuclease type III; anti-DICER1 antibody

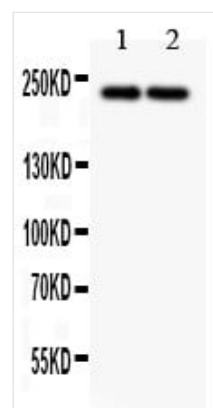
PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1829
Applicable Applications for anti-DICER1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Dicer recombinant protein (Position: M1-N195). Human Dicer shares 94% amino acid (aa) sequence identity with mouse Dicer.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

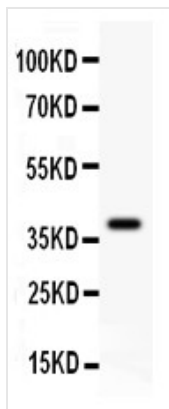
IMAGES



IHC (Immunohistochemistry)
Anti- Dicer antibody, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti- Dicer antibody, Western blottingAll lanes: Anti Dicer at 0.5ug/mlLane 1: Hela Whole Cell Lysate at 40ugLane 2: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 217KDObserved bind size: 217KD



WB (Western Blot)

Anti- Dicer antibody, Western blottingAll lanes: Anti Dicer at 0.5ug/mlWB: Recombinant Human Dicer Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-DICER1 antibody	Description: Rabbit IgG polyclonal antibody for Endoribonuclease Dicer(DICER1) detection. Tested with WB, IHC-P in Human. Background: Dicer(DICER1), also known as endoribonuclease Dicer or helicase with RNase motif, is an enzyme that in humans is encoded by the DICER1 gene. It is mapped to 14q32.13. The DICER1 gene, a member of the ribonuclease III (RNaseIII) family, is involved in the generation of microRNAs (miRNAs), which modulate gene expression at the posttranscriptional level. DICER1 possesses an RNA helicase motif containing a DEXH box in its amino terminus and an RNA motif in the carboxy terminus DICER, also known as helicase-MOI, is required by the RNA interference and small temporal RNA (stRNA) pathways to produce the active small RNA component that represses gene expression. In addition, DICER1 is required for formation of the RNA induced silencing complex (RISC). It also cleaves double-stranded RNA to produce short interfering RNAs (siRNAs) which target the selective destruction of complementary RNAs.
References	1. Hutvagner, G., McLachlan, J., Pasquinelli, A. E., Balint, E., Tuschl, T., Zamore, P. D. A cellular function for the RNA-interference enzyme dicer in the maturation of the let-7 small temporal RNA. Science 293: 834-838, 2001. 2. Matsuda, S., Ichigotani, Y., Okuda, T., Irimura, T., Nakatsugawa, S., Hamaguchi, M. Molecular cloning and characterization of a novel human gene (HERNA) which encodes a putative RNA-helicase. Biochim. Biophys. Acta 1490: 163-169, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307133775
NCBI GeneID	23405
NCBI Accession #	NP_001182502.1
NCBI GenBank Nucleotide #	NM_001195573.1
UniProt Accession #	Q9UPY3; O95943; Q9UQ02; A7E2D3; B3KRG4; E0AD28
NCBI Official Full Name	endoribonuclease Dicer isoform 2
NCBI Official Synonym Full Names	dicer 1, ribonuclease III
NCBI Official Symbol	DICER1
NCBI Official Synonym Symbols	DCR1; MNG1; Dicer; HERNA; RMSE2; Dicer1e; K12H4.8-LIKE
NCBI Protein Information	endoribonuclease Dicer
UniProt Protein Name	Endoribonuclease Dicer
UniProt Gene Name	DICER1

UniProt Synonym Gene Names	DICER; HERNA; KIAA0928; Helicase MOI
UniProt Entry Name	DICER_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dicer-antibody-immunohistochemistry-western-blot-elisa/46418>