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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

DICER1. Rabbit Antigen Immunoaffinity Purified Polyclonal
Endoribonuclease Dicer; DICER1; HERN1

BACKGROUND

Required for formation of the RNA induced silencing complex (RISC). Component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, EIF2C2/AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto EIF2C2/AGO2. EIF2C2/AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. Also cleaves double-stranded RNA to produce short interfering RNAs (siRNAs) which target the selective destruction of complementary RNAs.

ORDERING INFORMATION

CATALOG NUMBER
X2756P

SIZE
100 µg
FORM
Affinity Purified

HOST/CLONE
Rabbit

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
IgG

APPLICATIONS
Western blot, Immunohistochemistry, EIA

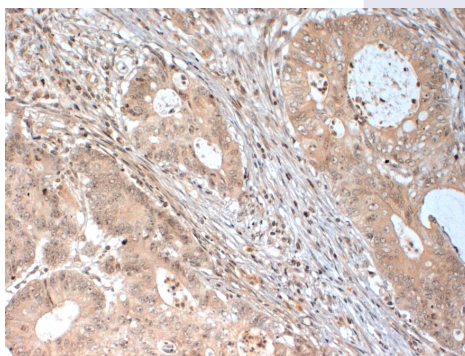
SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human Q9UPY3

IMMUNOGEN

Synthetic peptide derived from human DICER1 protein.

Immunohistochemical staining of FFPE human colon carcinoma tissue using DICER1 antibody (Cat. No. X2756P). Antibody used at 1 µg/ml and visualized using DAB. Pathologists Comments: Cytoplasmic staining on mucous cells.



POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody can be used for immunohistochemical staining (1-5 μ g/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Zhang, H., et al. 'Single processing center models for human Dicer and bacterial RNase III.' *Cell*, 118, 57-68 (2004)
2. Meister, G., et al. 'Identification of novel argonaute-associated proteins.' *Curr. Biol.*, 15, 2149-2155 (2005)
3. Haase, A.D., et al. 'TRBP, a regulator of cellular PKR and HIV-1 virus expression, interacts with Dicer and functions in RNA silencing.' *EMBO Rep.*, 6, 961-967 (2005)
4. Kok, K.H., et al. 'Human TRBP and PACT directly interact with each other and associate with dicer to facilitate the production of small interfering RNA.' *J. Biol. Chem.*, 282, 17649-17657 (2007)
5. Melo, S.A., et al. 'A TARBP2 mutation in human cancer impairs microRNA processing and DICER1 function.' *Nat. Genet.*, 41, 365-370 (2009)

PRODUCT SPECIFIC REFERENCES