

### Anti-Dicer antibody [4A6] ab82539

**3 References** [画像数 3](#)

#### 製品の概要

製品名	Anti-Dicer antibody [4A6]
製品の詳細	Mouse monoclonal [4A6] to Dicer
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Normal human ovary. Human placental tissue.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
ポリ/モノ	モノクローナル
クローン名	4A6
アイソタイプ	IgG1

#### アプリケーション

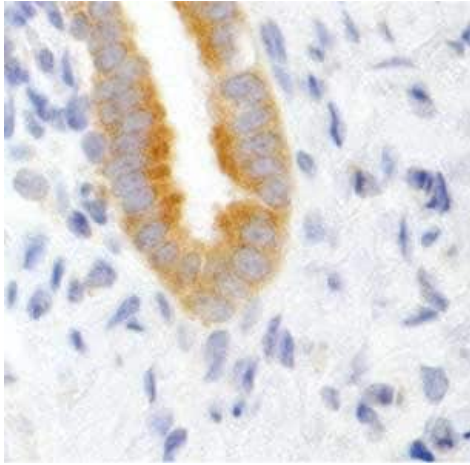
**The Abpromise guarantee**      **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab82539の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/100 - 1/500. Predicted molecular weight: 217 kDa.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.

## ターゲット情報

機能	Double-stranded RNA (dsRNA) endoribonuclease playing a central role in short dsRNA-mediated post-transcriptional gene silencing. Cleaves naturally occurring long dsRNAs 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.
関連疾患	Pleuropulmonary blastoma Goiter multinodular 1, with or without Sertoli-Leydig cell tumors Rhabdomyosarcoma, embryonal, 2 DICER1 mutations have been found in uterine cervix embryonal rhabdomyosarcoma, primitive neuroectodermal tumor, Wilms tumor, pulmonary sequestration and juvenile intestinal polyp (PubMed:21882293). Somatic missense mutations affecting the RNase IIIb domain of DICER1 are common in non-epithelial ovarian tumors. These mutations do not abolish DICER1 function but alter it in specific cell types, a novel mechanism through which perturbation of microRNA processing may be oncogenic (PubMed:22187960).
配列類似性	Belongs to the helicase family. Dicer subfamily. Contains 1 Dicer dsRNA-binding fold domain. Contains 1 DRBM (double-stranded RNA-binding) domain. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 1 PAZ domain. Contains 2 RNase III domains.
細胞内局在	Cytoplasm.

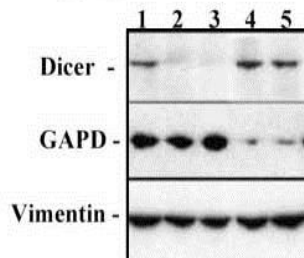
## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dicer antibody [4A6] (ab82539)

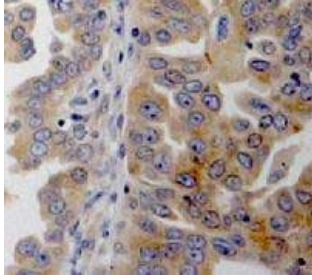
ab82539, at 1/20 dilution, staining Dicer in normal human ovary by Immunohistochemistry using paraffin-embedded tissue.

GAPD siRNA (nM) - - - 5 50  
Dicer siRNA (nM) - 5 50 - -



Western blot - Anti-Dicer antibody [4A6] (ab82539)

ab82539 has been verified by siRNA target validation. The figure shows the elimination of the antigen band on western after treatment of cells with siRNA against human Dicer. No effect is seen on treatment with an irrelevant siRNA against GAPDH.



ab82539, at 1/20 dilution, staining Dicer in human lung tumor by Immunohistochemistry using paraffin-embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dicer antibody [4A6] (ab82539)

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