

Anti-Drosha antibody [EPR12794] ab183732

敲除验证
重组
RabMAb

★★★★★
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概述

产品名称	Anti-Drosha抗体[EPR12794]
描述	兔单克隆抗体[EPR12794] to Drosha
宿主	Rabbit
经测试应用	适用于: IHC-P, WB 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat, HEK-293T and HeLa cell lysates. IHC-P: Human lung adenocarcinoma tissue. Flow Cyt: Jurkat cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR12794

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab183732于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/10000 - 1/50000. Detects a band of approximately 159 kDa (predicted molecular weight: 159 kDa).

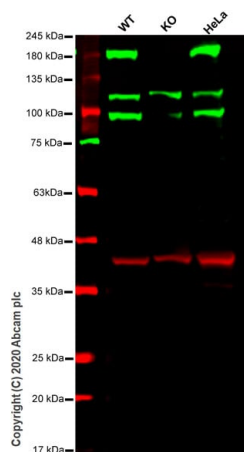
应用说明

Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能	Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, DROSHA cleaves the 3' and 5' strands of a stem-loop in pri-miRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs. Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies.
组织特异性	Ubiquitous.
序列相似性	Contains 1 DRBM (double-stranded RNA-binding) domain. Contains 2 RNase III domains.
结构域	The 2 RNase III domains form an intramolecular dimer where the domain 1 cuts the 3'strand while the domain 2 cleaves the 5'strand of pri-miRNAs, independently of each other.
细胞定位	Nucleus. Nucleus > nucleolus. A fraction is translocated to the nucleolus during the S phase of the cell cycle. Localized in GW bodies (GWBs), also known as P-bodies.

图片



Western blot - Anti-Droscha antibody [EPR12794]
(ab183732)

All lanes : Anti-Droscha antibody [EPR12794] (ab183732) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : DROSHA knockout HEK-293T cell lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

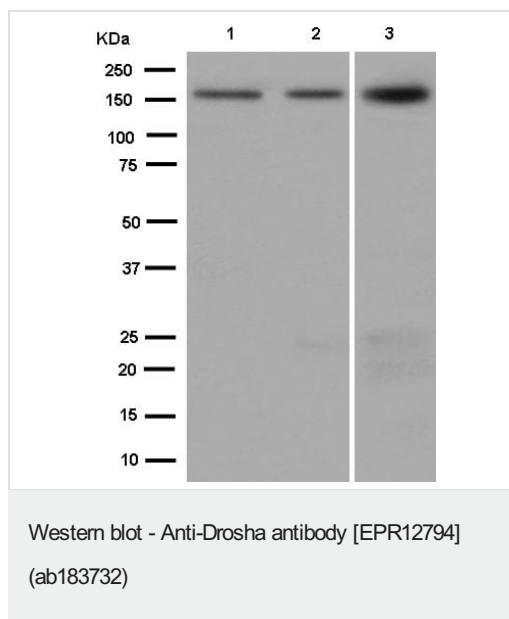
Performed under reducing conditions.

Predicted band size: 159 kDa

Observed band size: 159 kDa

Lanes 1-3: Merged signal (red and green). Green - ab183732 observed at 159 kDa. Red - loading control, [ab8245](#) observed at 37 kDa.

ab183732 Anti-Droscha antibody [EPR12794] was shown to specifically react with Droscha in wild-type HEK293T cells. Loss of signal was observed when knockout cell line [ab266217](#) (knockout cell lysate [ab257171](#)) was used. Wild-type and Droscha knockout samples were subjected to SDS-PAGE. ab183732 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-Drosha antibody [EPR12794] (ab183732) at 1/50000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : 293 cell lysate

Lane 3 : HeLa cell lysate

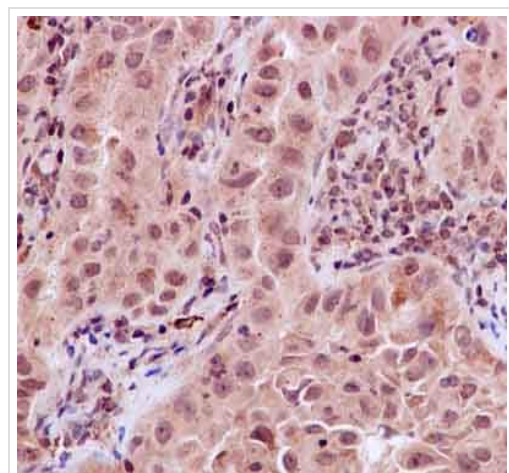
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 159 kDa

Observed band size: 159 kDa







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Drosha antibody [EPR12794] (ab183732)

Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma tissue labeling Drosha with ab183732 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Drosha antibody [EPR12794] (ab183732)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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