

Anti-DKK1 antibody [EPR4759] - Low endotoxin, Azide free ab221779

 **RabMAb**

4 References 4 图像

概述

产品名称	Anti-DKK1抗体[EPR4759] - Low endotoxin, Azide free
描述	兔单克隆抗体[EPR4759] to DKK1 - Low endotoxin, Azide free
宿主	Rabbit
特异性	Although our internal data shows that this antibody is not suitable to detect DKK1 in rats, this antibody has been referenced in PMID 29299122 and 25469240 to work with rat derived cells. Please contact technical@abcam.com for further information.
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
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	IHC-P: Human placenta and liver tissue WB: Caco-2, PC-3, U-2 OS, MOLT4, HEK-293 cell lysate
常规说明	ab221779 is the carrier-free version of ab109416 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Our **Low endotoxin, azide-free formats** have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4759
同种型	IgG

应用

The Abpromise guarantee **Abpromise[™]** 承诺保证使用ab221779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
WB		Use at an assay dependent concentration. Detects a band of approximately 38 kDa (predicted molecular weight: 29 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. antigen retrieval is recommended.

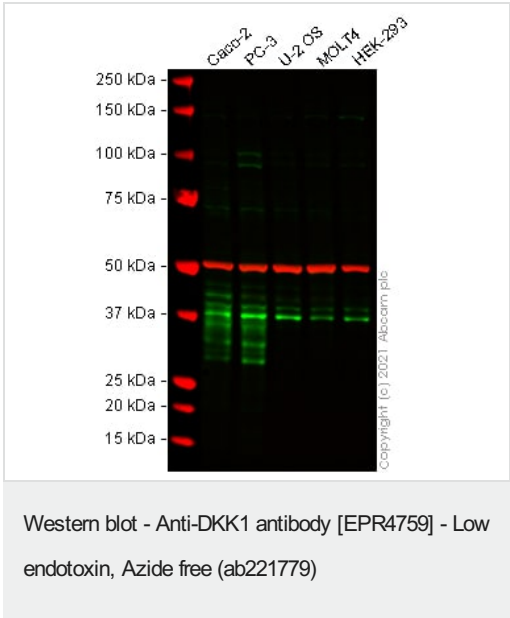
应用说明 Is unsuitable for Flow Cyt, ICC/IF or IP.

靶标

功能	Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease.
组织特异性	Placenta.

序列相似性	Belongs to the dickkopf family.
结构域	The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.
细胞定位	Secreted.

图片



All lanes : Anti-DKK1 antibody [EPR4759] ([ab109416](#)) at 1/2000 dilution

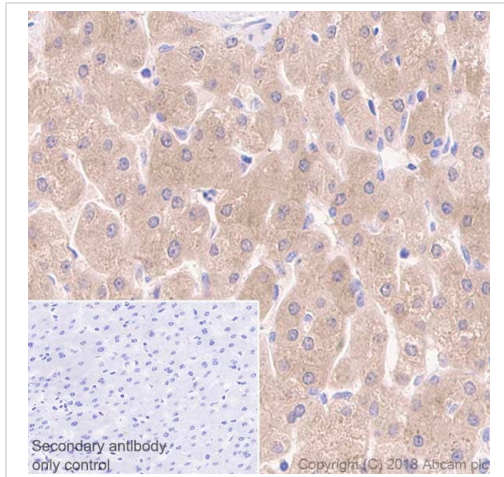
- Lane 1** : Caco-2 cell lysate
- Lane 2** : PC-3 cell lysate
- Lane 3** : U-2 OS cell lysate
- Lane 4** : MOLT4 cell lysate
- Lane 5** : HEK-293 cell lysate

Performed under reducing conditions.

Predicted band size: 29 kDa
Observed band size: 30-45 kDa

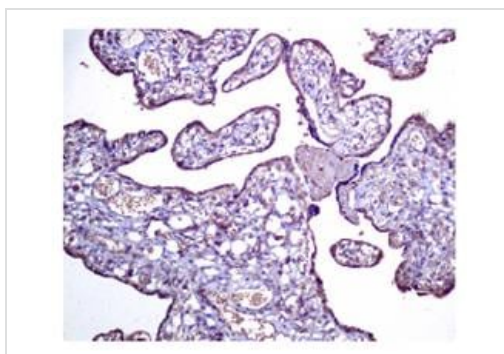
False colour image of Western blot: Anti-DKK1 antibody [EPR4759] staining at 1/2000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. To generate this image, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab109416](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DKK1 antibody
[EPR4759] - Low endotoxin, Azide free (ab221779)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human liver tissue sections labeling DKK1 with Purified **ab109416** at 1:800 dilution (1.04 µg/ml). Heat mediated antigen retrieval was performed using using **ab93684** (Tris/EDTA buffer, pH 9.0) ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109416**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DKK1 antibody
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Immunohistochemical analysis of paraffin-embedded Human placenta tissue using 1/100 unpurified **ab109416**

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109416**).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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