


Anti-Dkk3 antibody [EPR15611] ab186409

リコンビナント **RabMAb**

13 References **画像数 6**

製品の概要

製品名	Anti-Dkk3 antibody [EPR15611]
製品の詳細	Rabbit monoclonal [EPR15611] to Dkk3
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF, IP
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human fetal brain, heart and kidney lysates; HepG2 cells, A549 whole cell lysate. ICC/IF: HepG2 cells. IP: Human fetal brain lysate
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR15611

アイソタイプIgG

アプリケーション

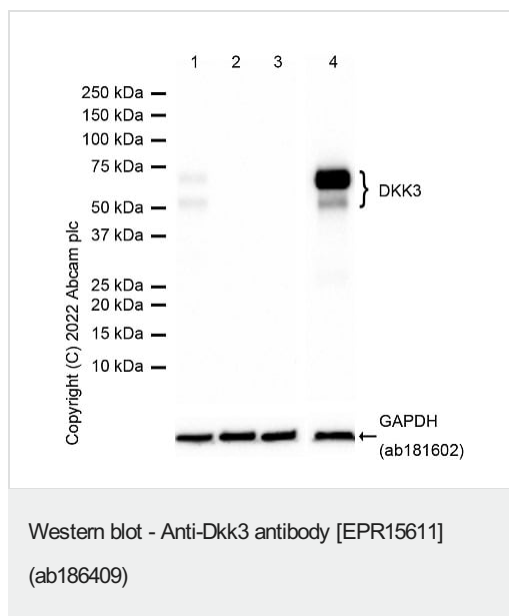
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab186409の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 38 kDa.
ICC/IF		1/100.
IP		1/50 - 1/70.

ターゲット情報

機能	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.
組織特異性	Highest expression in heart, brain, and spinal cord.
配列類似性	Belongs to the dickkopf family.
ドメイン	The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.
翻訳後修飾	N- and O-glycosylated.
細胞内局在	Secreted.

画像



All lanes : Anti-Dkk3 antibody [EPR15611] (ab186409) at 1/1000 dilution

Lane 1 : A549 (Human lung carcinoma epithelial cell) whole cell lysate

Lane 2 : PC-3 (Human prostate adenocarcinoma epithelial cell) whole cell lysate

Lane 3 : BxPC-3 (Human pancreas adenocarcinoma epithelial cell) whole cell lysate

Lane 4 : Human heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 38 kDa

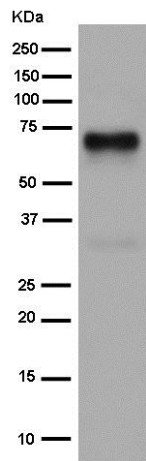
Observed band size: 50-70 kDa

Exposure time: 10 seconds

Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM/TBST

DKK3 shows 50-70 kDa bands, which is due to glycosylation (PMID: 28674110. PMID: 28738084). DKK3 is not expressed in PC-3 and BxPC-3. Negative control: PC-3 (PMID: 22941469), BxPC-3 (PMID: 28470144, PMID: 26395974, PMID: 34391478).



Western blot - Anti-Dkk3 antibody [EPR15611]
(ab186409)

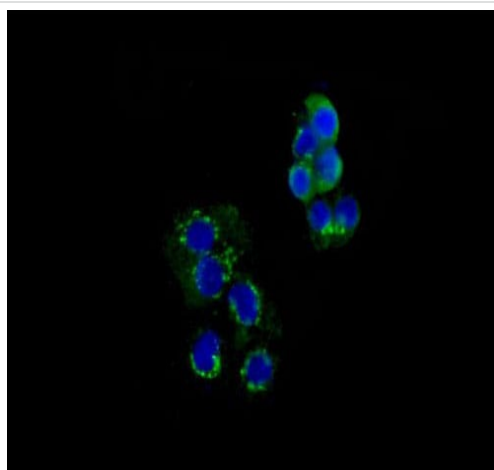
Anti-Dkk3 antibody [EPR15611] (ab186409) at 1/10000 dilution +
Human fetal brain lysate at 20 µg

Secondary

Goat anti-rabbit IgG, (H+L), peroxidase conjugate at 1/1000 dilution

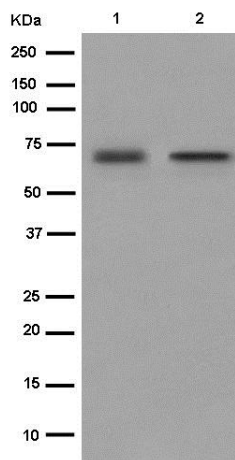
Predicted band size: 38 kDa

Observed band size: 60 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
Dkk3 antibody [EPR15611] (ab186409)

Immunofluorescent analysis of 4% paraformaldehyde-fixed HepG2 cells labeling Dkk3 with ab186409 at 1/100 dilution, followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody at 1/200 dilution. Counter stained with Dapi (blue).



Western blot - Anti-Dkk3 antibody [EPR15611]
(ab186409)

All lanes : Anti-Dkk3 antibody [EPR15611] (ab186409) at 1/5000 dilution

Lane 1 : Human fetal kidney lysate

Lane 2 : Human fetal heart lysate

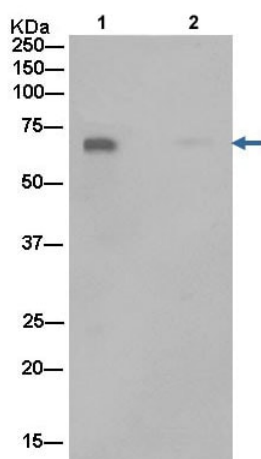
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 38 kDa

Observed band size: 60 kDa



Western blot analysis of Dkk3 in Human fetal brain lysate immunoprecipitated with ab186409 at 1/50 dilution (Lane 1). Lane 2: PBS instead of Human fetal brain lysate.

Secondary antibody: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Immunoprecipitation - Anti-Dkk3 antibody
[EPR15611] (ab186409)

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

Anti-Dkk3 antibody [EPR15611] (ab186409)

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