

Product datasheet

Anti-Dkk3 antibody [EPR15611] - BSA and Azide free ab232657

Recombinant RabMAb

4 Images

Overview

Product name	Anti-Dkk3 antibody [EPR15611] - BSA and Azide free
Description	Rabbit monoclonal [EPR15611] to Dkk3 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC, WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: HepG2 cells.
General notes	<p>ab232657 is the carrier-free version of ab186409.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15611
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab232657 in the following tested applications.

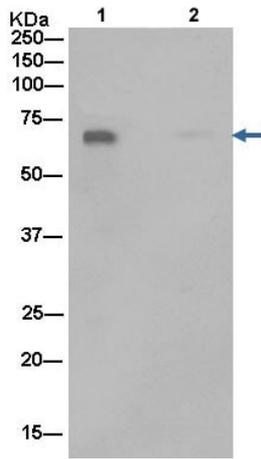
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 38 kDa.
IP		Use at an assay dependent concentration.

Target

Function	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.
Tissue specificity	Highest expression in heart, brain, and spinal cord.
Sequence similarities	Belongs to the dickkopf family.
Domain	The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.
Post-translational modifications	N- and O-glycosylated.
Cellular localization	Secreted.

Images

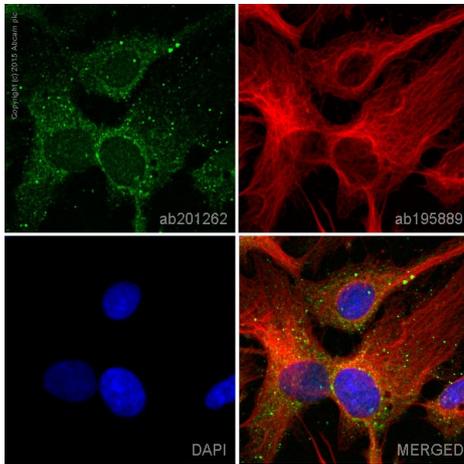


Immunoprecipitation - Anti-Dkk3 antibody
[EPR15611] - BSA and Azide free (ab232657)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab186409](#)).

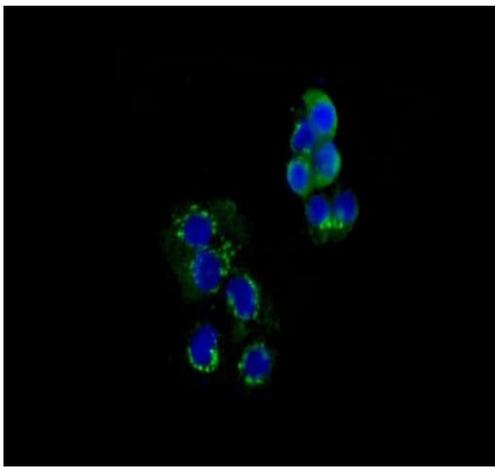


Immunocytochemistry - Anti-Dkk3 antibody
[EPR15611] - BSA and Azide free (ab232657)

Clone EPR15611 ([ab232657](#)) has been successfully conjugated by Abcam. This image was generated using Anti-Dkk3 antibody [EPR15611] (Alexa Fluor® 488). Please refer to [ab201262](#) for protocol details.

[ab201262](#) staining Dkk3 in HepG2 cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at +4°C with [ab201262](#) at a 1/100 dilution (shown in green) and [ab195889](#), Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at a 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunocytochemistry - Anti-Dkk3 antibody [EPR15611] - BSA and Azide free (ab232657)

Immunofluorescent analysis of 4% paraformaldehyde-fixed HepG2 (human liver hepatocellular carcinoma cell line) 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).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab186409](#)).

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>

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

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