Product datasheet

Anti-DKK1 antibody ab61034

Overview

Product name  Anti-DKK1 antibody
Description  Rabbit polyclonal to DKK1
Host species  Rabbit
Tested applications  Suitable for: IHC-Fr, IHC-P
Species reactivity  Reacts with: Mouse, Human
Immunogen  Synthetic peptide (Human) from the internal domain of DKK1 conjugated to KLH
Positive control  Human uterus, endometrium.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer  Preservative: 0.1% Sodium Azide
  Constituents: PBS, pH 7.7
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab61034 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>IHC-Fr</td>
<td>★★★★★</td>
<td>1/200.</td>
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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
Placenta.

Sequence similarities
Belongs to the dickkopf family.

Domain
The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.

Cellular localization
Secreted.

Images

ab61034 at 10µg/ml staining formalin fixed paraffin embedded Human Uterus (endometrium).

Immunochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DKK1 antibody (ab61034)
ab61034 staining DKK1 in mouse embryonic (E16.5) craniofacial tissue by IHC-Fr (paraformaldehyde-fixed frozen sections). Paraformaldehyde fixed issue samples were permealized in 0.1% Triton X-100, blocked with 5% serum for 15 minutes at 25 °C. The sample was incubated with primary antibody dilution 1/100 in PBS at 4°C for 24 hours. An Alexa Fluor® conjugated Goat polyclonal to rabbit IgG (dilution 1/200) was used as secondary antibody.

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

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