

Product datasheet

Human DKK2 peptide ab45461

Overview

Product name Human DKK2 peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence ATYSSKARLHVCQKI

Amino acids 245 to 259

Specifications

Our [Abpromise guarantee](#) covers the use of **ab45461** in the following tested applications.

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

Applications Blocking - Blocking peptide for Anti-DKK2 antibody ([ab21187](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

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 Expressed in heart, brain, skeletal muscle and lung.

Sequence similarities Belongs to the dickkopf family.

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

Post-translational modifications May be proteolytically processed by a furin-like protease.

Cellular localization Secreted.

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