

## Product datasheet

# Human DKK2 peptide ab45461

### Overview

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**Product name** Human DKK2 peptide

### Description

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**Nature** Synthetic

#### Amino Acid Sequence

**Species** Human

**Sequence** ATYSSKARLHVCQKI

**Amino acids** 245 to 259

### Specifications

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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

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

### General Info

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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** Expressed in heart, brain, skeletal muscle and lung.

**Sequence similarities** Belongs to the dickkopf family.

<b>Domain</b>	The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.
<b>Post-translational modifications</b>	May be proteolytically processed by a furin-like protease.
<b>Cellular localization</b>	Secreted.

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