

Anti-DKK2 Picoband Antibody
Catalog # ABO12238**Specification****Anti-DKK2 Picoband Antibody - Product Information**

Application	WB
Primary Accession	Q9UBU2
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Dickkopf-related protein 2(DKK2) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-DKK2 Picoband Antibody - Additional Information

Gene ID 27123

Other Names

Dickkopf-related protein 2, Dickkopf-2, Dkk-2, hDkk-2, DKK2

Calculated MW

28447 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Secreted.

Tissue Specificity

Expressed in heart, brain, skeletal muscle and lung.

Protein Name

Dickkopf-related protein 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human DKK2 recombinant protein (Position: K34-I259). Human DKK2 shares 96% amino acid (aa) sequence identity with mouse DKK2.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-DKK2 Picoband Antibody - Protein Information**Name** DKK2**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 (By similarity).

Cellular Location

Secreted.

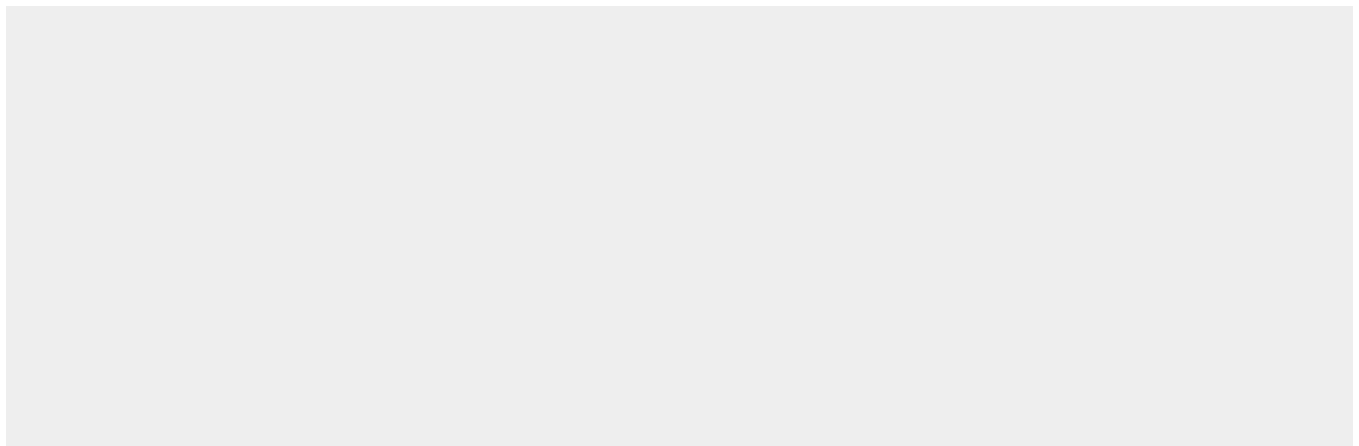
Tissue Location

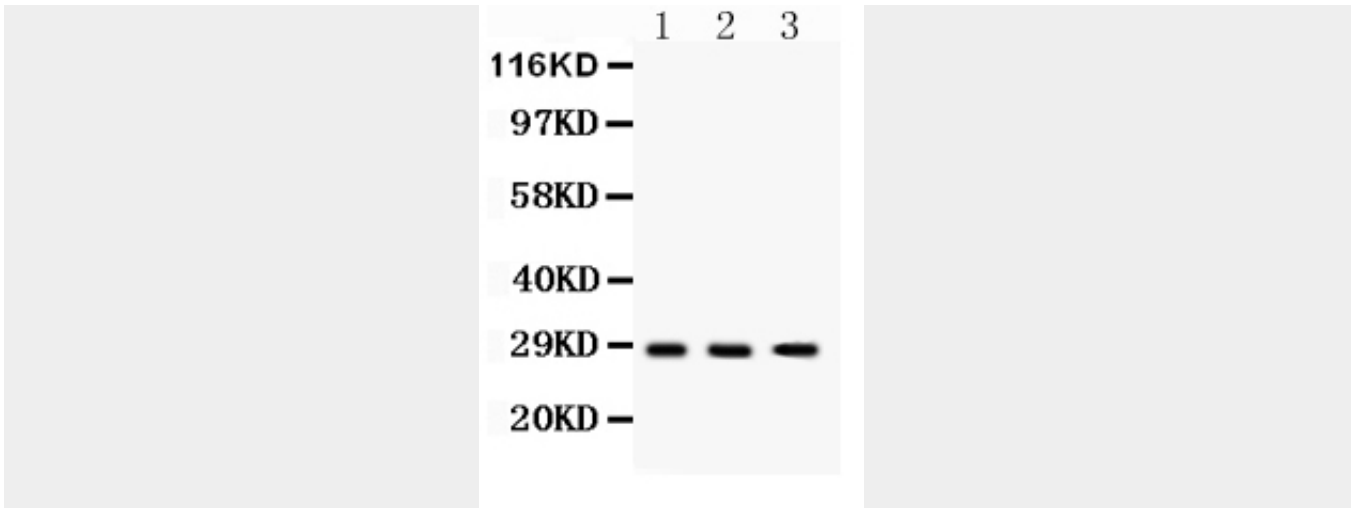
Expressed in heart, brain, skeletal muscle and lung

Anti-DKK2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-DKK2 Picoband Antibody - Images



Anti- DKK2 Picoband antibody, ABO12238, Western blotting All lanes: Anti DKK2 (ABO12238) at 0.5ug/ml Lane 1: Rat Cardiac Muscle Tissue Lysate at 50ug Lane 2: Rat Brain Tissue Lysate at 50ug Lane 3: A549 Whole Cell Lysate at 40ug Predicted bind size: 28KD Observed bind size: 28KD

Anti-DKK2 Picoband Antibody - Background

Dickkopf-related protein 2 is a protein that in humans is encoded by the DKK2 gene. This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6).