

Anti-DKK2 Picoband Antibody

Catalog # ABO12238

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.

Additional Information

Gene ID	27123
Other Names	Dickkopf-related protein 2, Dickkopf-2, Dkk-2, hDkk-2, DKK2
Calculated MW	28447
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.
Source	Eukaryota
Protein Name	Dickkopf-related protein 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.

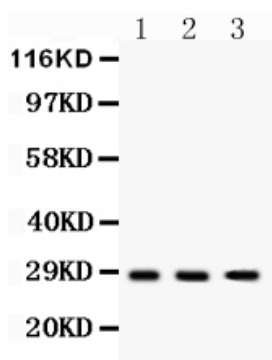
Protein Information

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

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).

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.