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**[ Primary Antibody ]**

# Rabbit Anti-DKK4 antibody

**Catalog Number: SL14338R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | DKK4 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human DKK4: 151-250/224 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>ICC/IF=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human, Mouse, Rat) |
| **Predicted MW.:** | 23kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | 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. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. [provided by RefSeq, Jul 2008]<br>**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 |

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| | implicated in bone formation and bone disease, cancer and Alzheimer disease.<br>**Subcellular Location:** Secreted.<br>**Tissue Specificity:** Expressed in cerebellum, T-cells, esophagus and lung.<br>**Post-translational modifications:** Appears to be not glycosylated.<br>Can be proteolytically processed by a furin-like protease.<br>**Similarity:** Belongs to the dickkopf family.<br>**Database links:**<br>**Entrez Gene:** 27121 Human<br>**Entrez Gene:** 234130 Mouse<br>**Entrez Gene:** 502097 Rat<br>GenBank: NP_055235.1 Human<br>Omim: 605417 Human<br>**SwissProt:** Q9UBT3 Human<br>**SwissProt:** Q8VEJ3 Mouse<br>**Unigene:** 159311 Human<br>**Unigene:** 157322 Mouse |

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