

For Research Use Only

# DKK1 Polyclonal antibody

Catalog Number: 21112-1-AP

Featured Product

45 Publications



## Basic Information

**Catalog Number:**

21112-1-AP

**Concentration:**

700 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG15110

**GenBank Accession Number:**

BC001539

**GeneID (NCBI):**

22943

**UNIPROT ID:**

O94907

**Full Name:**

dickkopf homolog 1 (Xenopus laevis)

**Calculated MW:**

266 aa, 29 kDa

**Observed MW:**

30-35 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:16000

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Cited Applications:**

WB, IHC, IF, IP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat, rabbit

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** A549 cells, mouse brain tissue, K-562 cells, HeLa cells, mouse heart tissue, rat brain tissue, rat heart tissue

**IHC:** human gliomas tissue, human placenta tissue

## Background Information

DKK1, also named a SK and Dickkopf-1, belongs to the dickkopf family. 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. SDS-PAGE and Western blot analysis demonstrated that DKK1 is expressed as a 35-kDa doublet protein, which is larger than the deduced molecular mass of 26 kDa. Sometime DKK1 is expressed as a 42- to 50-kDa secreted protein, with little change observed after glycanase treatment.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yimeng Cui	36185284	Front Oncol	WB
Haihua Zhang	31520488	Biofactors	
Guanxiong Ding	34697293	Cell Death Dis	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

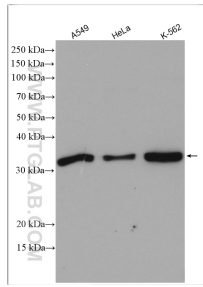
T: 4006900926

E: Proteintech-CN@ptglab.com

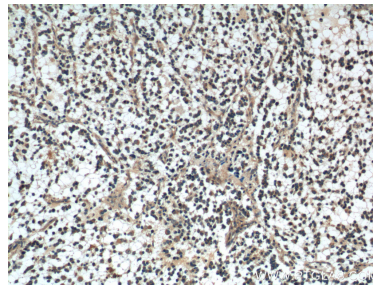
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

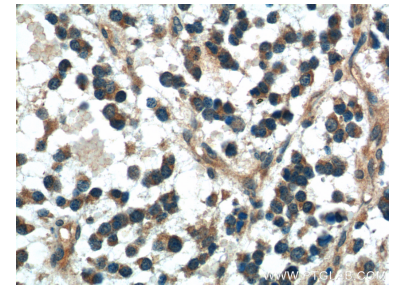
## Selected Validation Data



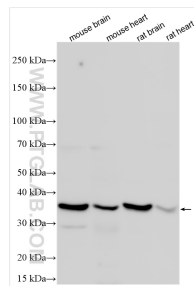
Various lysates were subjected to SDS PAGE followed by western blot with 21112-1-AP (DKK1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 21112-1-AP (DKK1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 21112-1-AP (DKK1 Antibody) at dilution of 1:200 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 21112-1-AP (DKK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.