

For Research Use Only

DKK1 Polyclonal antibody

Catalog Number: 21112-1-AP

Featured Product

34 Publications



Basic Information

Catalog Number:

21112-1-AP

Size:

700 µg/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:

IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, 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, HeLa cells, K-562 cells

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:

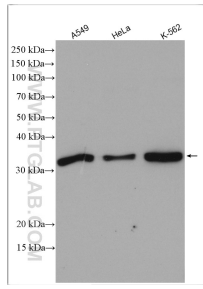
T: 4006900926

E: Proteintech-CN@ptglab.com

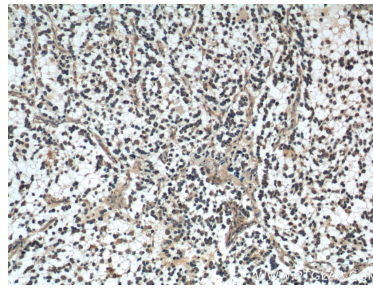
W: ptgcn.com

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

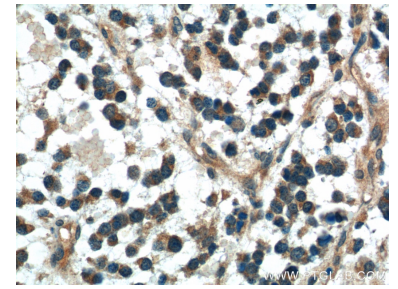
Selected Validation Data



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).