

For Research Use Only

DKK1 Polyclonal antibody

Catalog Number: 21112-1-AP

Featured Product

45 Publications



Basic Information

Catalog Number:

21112-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

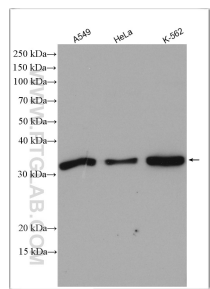
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

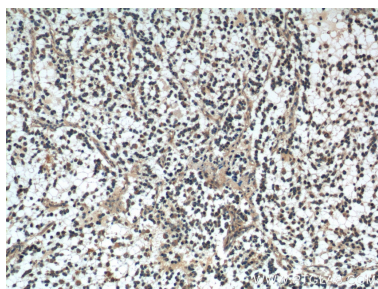
E: proteintech@ptglab.com
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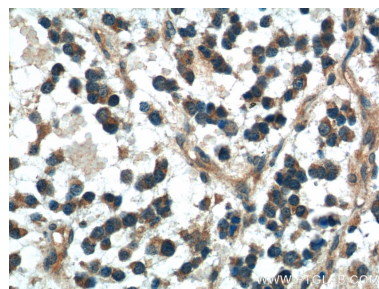
Selected Validation Data



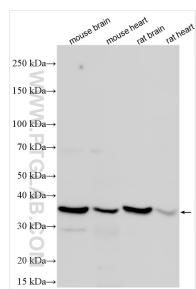
Various lysates were subjected to SDS PAGE followed by western blot with 21112-1-AP (DKK1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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.