

For Research Use Only

# DKK3 Polyclonal antibody

Catalog Number: 10365-1-AP

Featured Product

26 Publications



## Basic Information

Catalog Number:

10365-1-AP

Concentration:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0417

GenBank Accession Number:

BC007660

GeneID (NCBI):

27122

UNIPROT ID:

Q9UBP4

Full Name:

dickkopf homolog 3 (Xenopus laevis)

Calculated MW:

38 kDa

Observed MW:

38-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, canine

**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: HUVEC cells, MCF-7 cells

IHC: human liver cancer tissue,

## Background Information

DKK3, also named as REIC, belongs to the dickkopf family. It 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's disease. The adenovirus carrying REIC/Dkk-3 (Ad-REIC) exhibits a potent tumor-specific cell-killing function for various human cancers. It has also become evident that some human cancers are resistant to Ad-REIC-induced apoptosis. The DKK3 is a Glycosylation protein with MW about 55 kDa or 38-43 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lulin Huang	36115892	Sci China Life Sci	IF
Laury Amelia Roa Fuentes	36303276	Eur J Oral Sci	IHC
Bo Liu	31772644	Exp Ther Med	WB, IHC

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

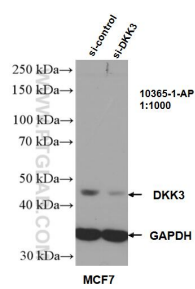
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

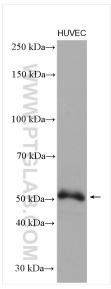
W: [ptgcn.com](http://ptgcn.com)

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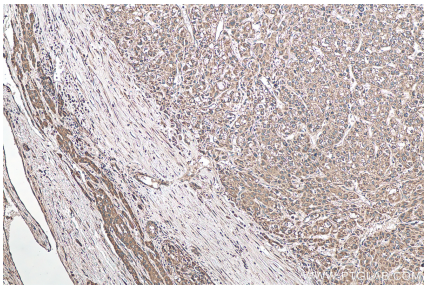
Selected Validation Data



WB result of DKK3 antibody (10365-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DKK3 transfected MCF-7 cells.



HUVEC cells were subjected to SDS PAGE followed by western blot with 10365-1-AP (DKK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10365-1-AP (DKK3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).