

For Research Use Only

# DKK3 Monoclonal antibody, PBS Only



Catalog Number: 66758-1-PBS

## Basic Information

**Catalog Number:**

66758-1-PBS

**Size:**

1 mg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG23615

**GenBank Accession Number:**

BC007660

**GeneID (NCBI):**

27122

**UNIPROT ID:**

Q9UBP4

**Full Name:**

dickkopf homolog 3 (Xenopus laevis)

**Calculated MW:**

38 kDa

**Observed MW:**

40 kDa, 50-55 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

4E6H6

## Applications

**Tested Applications:**

WB, Indirect ELISA, IHC, IF

**Species Specificity:**

Human, Mouse, Rat, Pig

## 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.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

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

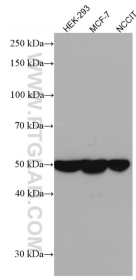
T: 4006900926

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

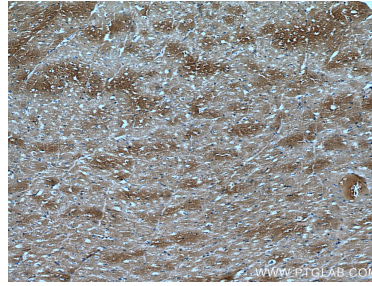
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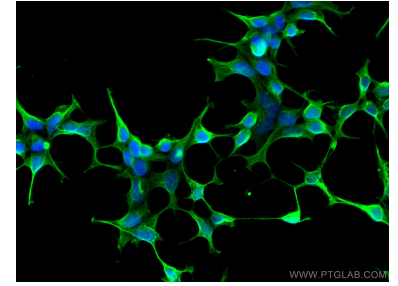
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66758-1-Ig (DKK3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66758-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66758-1-Ig (DKK3 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66758-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using DKK3 antibody (66758-1-Ig, Clone: 4E6H6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66758-1-PBS in a different storage buffer formulation.