

For Research Use Only

DKK3 Monoclonal antibody

Catalog Number: 66758-1-Ig **2 Publications**



Basic Information

Catalog Number: 66758-1-Ig	GenBank Accession Number: BC007660	Purification Method: Protein A purification
Size: 150ul, Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 27122	CloneNo.: 4E6H6
Source: Mouse	UNIPROT ID: Q9UBP4	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600 IF/ICC 1:400-1:1600
Isotype: IgG2b	Full Name: dickkopf homolog 3 (Xenopus laevis)	
Immunogen Catalog Number: AG23615	Calculated MW: 38 kDa	
	Observed MW: 40 kDa, 50-55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HEK-293 cells, MCF-7 cells, NCCIT cells IHC : human heart tissue, mouse brain tissue IF/ICC : HEK-293 cells,
Cited Applications: WB, IF	
Species Specificity: Human, Mouse, Rat, Pig	
Cited Species: human, pig	

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

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
Renwu Hua	36284344	Reprod Biol Endocrinol	WB
Michael T H Ng	38374174	Nat Commun	WB,IF

Storage

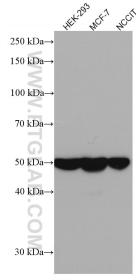
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

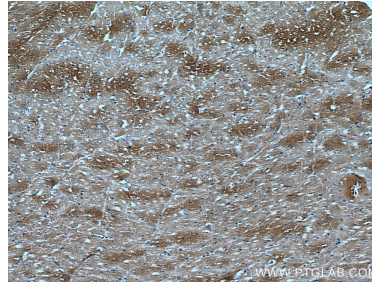
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

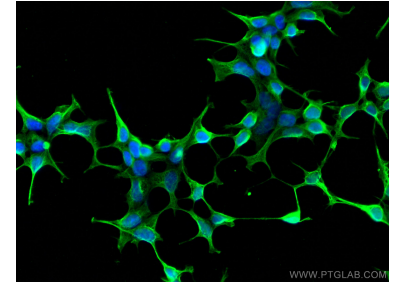
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66758-1-Ig (DKK3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).



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).