

For Research Use Only

DKK3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87713-1-PBS



Basic Information

Catalog Number:

87713-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6731

GenBank Accession Number:

NM_015881.5, NM_013253.4, NM_001018057.1

GeneID (NCBI):

27122

UNIPROT ID:

Q9UBP4

Full Name:

dickkopf homolog 3 (Xenopus laevis)

Calculated MW:

38 kDa

Observed MW:

38-55 kDa

Purification Method:

Protein A purification

CloneNo.:

253091C12

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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, pH7.3

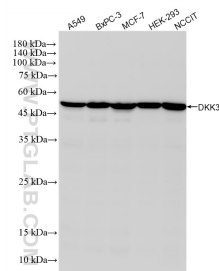
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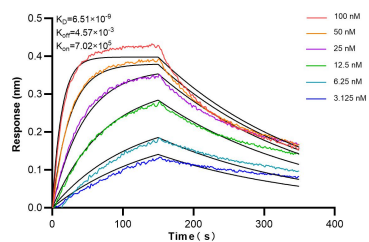
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87713-1-RR (DKK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87713-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87713-1-RR against Human DKK3 were performed. The affinity constant is 6.51 nM.