For Research Use Only

DKK3 Recombinant monoclonal antibody

Catalog Number:87713-1-RR

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Basic Information

Catalog Number:
87713-1-RR

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

Recommended Dilutions:
WB: 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : A549 cells, BxPC-3 cells, MCF-7 cells, HEK-293 cells, NCCIT cells

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 disea. 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.

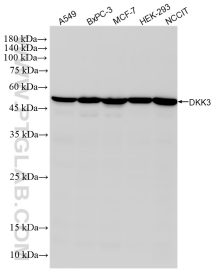
Storage

Storage:
Store at -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

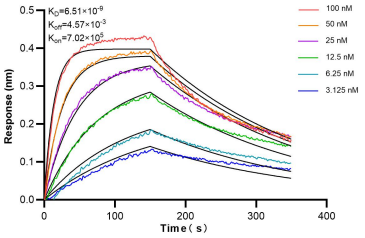
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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