For Research Use Only

CoraLite® Plus 488-conjugated DKK3 Monoclonal antibody

Catalog Number:CL488-66758

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-66758

Size:
1000 μg/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

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
Human, Mouse, Rat, Pig

Positive Controls:

IF/ICC : HEK-293 cells,

Background Information

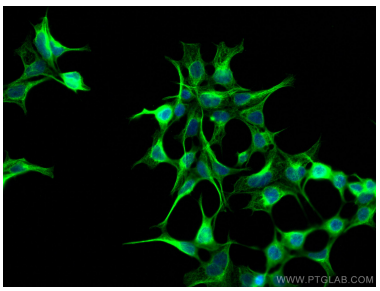
DKK3, also named as REIC, belongs to the dickkopf family. It antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, 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. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
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 W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite®®488 DKK3 antibody (CL488-66758, Clone: 4E6H6) at dilution of 1:200.