

CoraLite®594-conjugated DKK3 Monoclonal antibody

Catalog Number: **CL594-66758**

Basic Information

Catalog Number: CL594-66758	GenBank Accession Number: BC007660	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 27122	CloneNo.: 4E6H6
Source: Mouse	UNIPROT ID: Q9UBP4	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: dickkopf homolog 3 (Xenopus laevis)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG23615	Calculated MW: 38 kDa	
	Observed MW: 40 kDa, 50-55 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: Human, Mouse, Rat, Pig	

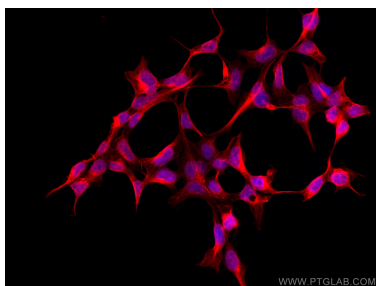
Background Information

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 -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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using Coralite® 594 DKK3 antibody (CL594-66758, Clone: 4E6H6) at dilution of 1:200.