

For Research Use Only

CoraLite® Plus 647-conjugated FOXO1 Polyclonal antibody

Catalog Number: CL647-18592

Featured Product

1 Publications



Basic Information

Catalog Number:

CL647-18592

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13296

GenBank Accession Number:

BC021981

GeneID (NCBI):

2308

UNIPROT ID:

Q12778

Full Name:

forkhead box O1

Calculated MW:

655 aa, 70 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Background Information

FOXO1, also named as FOXO1A, FKHR and FKHL1, is a member of the FOXO subfamily of Forkhead transcription factors. FOXO1 is a transcription factor which acts as a regulator of cell responses to oxidative stress. FOXO1 interacts with LRPPRC and SIRT1. In the presence of KIRT1, FOXO1 mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence. FOXO1 contains three predicted protein kinase B phosphorylation sites (Thr-24, Ser-256, and Ser-319) that are conserved in other FOXO proteins. The t(2;13) and the variant t(1;13) translocations generate PAX3/FKHR and PAX7/FKHR fusion proteins respectively. The resulting protein is a transcriptional activator. Defects in FOXO1 are a cause of rhabdomyosarcoma type 2 (RMS2).

Notable Publications

Author	Pubmed ID	Journal	Application
Hua Jin	39658411	Sci Bull (Beijing)	

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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:

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

