

For Research Use Only

CoraLite® Plus 647-conjugated BCDIN3D Recombinant monoclonal antibody

Catalog Number: **CL647-83309**



Basic Information

Catalog Number: CL647-83309	GenBank Accession Number: BC053560	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 144233	CloneNo.: 240152A9
Isotype: IgG	UNIPROT ID: Q7Z5W3	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG15613	Full Name: BCDIN3 domain containing	
	Calculated MW: 292 aa, 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
Species Specificity:
human, mouse

Background Information

BCDIN3D (BCDIN3 domain containing RNA methyltransferase), it is expected to be located in cytoplasm, which is ubiquitous expressed in prostate, lymph node and skeletal muscle. This gene encodes an RNA methyltransferase which belongs to the rosmann fold methyltransferase family and serves as a 5'-methylphosphate capping enzyme that is specific for cytoplasmic histidyl tRNA. The encoded protein contains an S-adenosylmethionine binding domain and uses the methyl group donor, S-adenosylmethionine. This gene is overexpressed in breast cancer cells, and is related to the tumorigenic phenotype and poor prognosis of breast cancer. The encoded protein is thought to promote the cellular invasion of breast cancer cells, by downregulating the expression of tumor suppressor miRNAs through the dimethylation of the 5-monophosphate of the corresponding precursor miRNAs. The molecular weight of BCDIN3D is 33 kDa.

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, 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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