

For Research Use Only

CoraLite® Plus 488-conjugated DHX37 Monoclonal antibody

Catalog Number: **CL488-67853**



Basic Information

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| Catalog Number: CL488-67853 | GenBank Accession Number: BC037964 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 57647 | CloneNo.: 2B12D9 |
| Source: Mouse | UNIPROT ID: Q8IY37 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Isotype: IgG2a | Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 37 | |
| Immunogen Catalog Number: AG29909 | Calculated MW: 1157 aa, 130 kDa | |
| | Observed MW: 130-140 kDa | |

Applications

Tested Applications:
FC (Intra)
Species Specificity:
Human

Background Information

DHX37, also known as DDX37, KIAA1517. It is an ATP-bound RNA helicase that plays a role in the maturation of small ribosomal subunits in ribosomal biogenesis (PMID:30582406). The presence of DHX37 in early pre-ribosomal particles was monitored by a quality control pathway, and failure to recruit DHX37 resulted in pre-RRNA degradation. DHX37 binds directly to U3 small nucleolar RNA (snoRNA), and the catalytic activity of the helicase is required for dissociation of U3 small nucleolar RNA from the pre-ribosomal complex. In addition, it plays a role in early testicular development (PMID:31287541, PMID:31337883). It may also have an effect on brain development (PubMed:31256877). It is expressed in the fallopian tubes, ovaries, uterus, testes and brain (PMID: 31256877, PMID: 31337883).

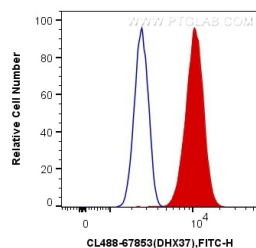
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human DHX37 (CL488-67853, Clone:2B12D9) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).