

For Research Use Only



CoraLite® Plus 488-conjugated TXNDC5 Recombinant monoclonal antibody

Catalog Number: **CL488-84756-5**

Basic Information

Catalog Number: CL488-84756-5	GenBank Accession Number: BC001199	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 81567	CloneNo.: 242195G7
Isotype: IgG	UNIPROT ID: Q8NBS9	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG13965	Full Name: thioredoxin domain containing 5 (endoplasmic reticulum)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 432 aa, 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human	

Background Information

TXNDC5, or Thioredoxin Domain Containing 5, is a protein-coding gene that plays a significant role in cellular processes, particularly in the endoplasmic reticulum (ER). This gene is essential for the proper functioning of the cellular environment, primarily through its involvement in the formation and rearrangement of disulfide bonds within proteins. Disulfide bonds are crucial for the stability and functionality of many proteins, and TXNDC5 facilitates these processes through its thioredoxin domains, which contain enzymatic activities that promote correct protein folding and maturation in the ER. Recent studies highlight the expression characteristics of TXNDC5 across various diseases. It has been implicated in the promotion of malignant diseases, suggesting a potential role in cancer biology and other pathological conditions. (PMID:25526565; 38629066)

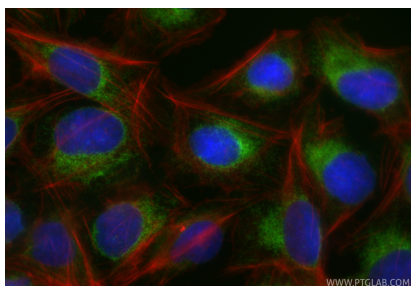
Storage

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 TXNDC5 antibody (CL488-84756-5, Clone: 242195G7) at dilution of 1:200, CL594-phalloidin (red).