

For Research Use Only

CoraLite® Plus 488-conjugated Midkine Recombinant antibody

Catalog Number: CL488-84815



Basic Information

Catalog Number: CL488-84815	GenBank Accession Number: BC011704	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4192	CloneNo.: 241880H1
Source: Rabbit	UNIPROT ID: P21741	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: midkine (neurite growth-promoting factor 2)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG24547	Calculated MW: 16 kDa	

Applications

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

Background Information

Midkine is a heparin-binding growth factor identified over 20 years ago and enhances the survival, migration and many other activities of target cells. Midkine is rich in both basic amino acids and cysteine, and is not related to most other growth factors/cytokines. It is strongly expressed during embryonic periods, especially at the midgestation stage, and plays important roles in development, especially in neurogenesis. Midkine expression in adult tissue is generally weak or undetectable, and it is induced upon injury and exerts many activities related to tissue repair. The biological activities of midkine in malignant tumors include proliferation, angiogenesis, invasion and metastasis. Various cancers express significantly higher levels of the midkine protein in early stage tumor tissues than in adjacent normal tissue.

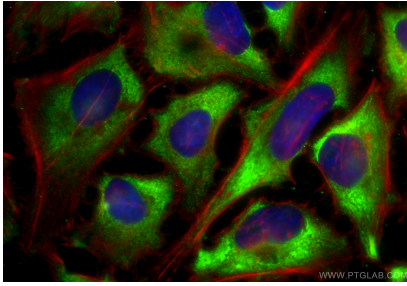
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 Midkine antibody (CL488-84815, Clone: 241880H1) at dilution of 1:200, CL594-Phalloidin (red).