

For Research Use Only

CoraLite® Plus 488-conjugated HMGA2 Polyclonal antibody



Catalog Number: CL488-20795

Featured Product

Basic Information

Catalog Number: CL488-20795	GenBank Accession Number: NM_003483	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8091	Recommended Dilutions: IF 1:200-1:800
Source: Rabbit	Full Name: high mobility group AT-hook 2	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 108 aa, 12 kDa	
Immunogen Catalog Number: AG14588	Observed MW: 18-20 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : A549 cells,
Species Specificity: human, mouse, rat	

Background Information

HMGA2 belongs to the family of high mobility group with AT-hook DNA binding domain. HMGA proteins are considered architectural transcription factors; they do not have direct transcriptional activation capacity, but instead regulate gene expression by changing DNA conformation through binding to AT-rich regions in the DNA and/or direct interaction with other transcription factors (PMID: 18202751,19551524). HMGA2 is abundantly and ubiquitously expressed and plays a crucial role during embryonic development (18425117). HMGA2 promotes stem cell self-renewal and research studies have shown that decreased HMGA2 expression is associated with stem cell aging (19551524). Investigators have shown that expression levels of HMGA2 are very low in normal adult tissues, while either overexpression or rearrangement is associated with many types of cancer (PMID: 20228781). The calculated molecular weight of HMGA2 is 12 kDa, but modified HMGA2 is about 18-20 kDa. (PMID: 18505920)

Storage

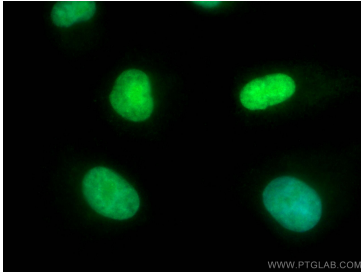
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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 A549 cells using CoralLite® Plus 488 HMGA2 antibody (CL488-20795) at dilution of 1:400.