For Research Use Only

CoraLite® Plus 488-conjugated HMGA2 Polyclonal antibody

Catalog Number:CL488-20795 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-20795

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14588

GenBank Accession Number:
NM_003483

GeneID (NCBI):
8091

UNIPROT ID:
P52926

Full Name:
high mobility group AT-hook 2

Calculated MW:
108 aa, 12 kDa

Observed MW:
18-20 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC 1:200-1:800

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : A549 cells,

Background Information

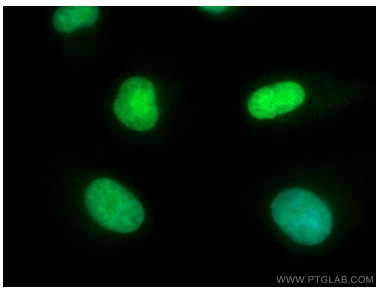
HMGA2 belongs to the family of high mobility group with AT-hook DNA binding domain. HMGA proteins are considered architectural transcription factors; they do not have direct transcriptional activation capacity, but instead regulate gene expression by changing DNA conformation through binding to AT-rich 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 calcualted 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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 HMGA2 antibody (CL488-20795) at dilution of 1:400.