For Research Use Only

CoraLite® Plus 488-conjugated Napsin A Recombinant monoclonal antibody

Catalog Number:CL488-86052-4

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

Basic Information

Catalog Number:
CL488-86052-4

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9721

GenBank Accession Number:
BC017842

GeneID (NCBI):
9476

UNIPROT ID:
O96009

Full Name:
napsin A aspartic peptidase

Calculated MW:
420 aa, 45 kDa

Observed MW:
40-45 kDa

Purification Method:
Protein A purification

CloneNo.:
242433C10

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : A549 cells,

Background Information

Napsin is found in two isoforms, napsin A and B, with highly homologous nucleotide sequences (91.2%). Napsin A appears to be a functional proteinase, predominantly expressed in lung and kidney. Napsin B is transcribed exclusively in cells related to the immune system and lacks an in-frame stop codon and is believed to be a pseudogene.(PMID:12698189). Napsin A is superior to TTF-1 in distinguishing primary lung ACA from other carcinomas (except kidney), particularly primary lung small cell carcinoma, and primary thyroid carcinoma. (PMID:22288963).

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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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 A549 cells using CoraLite® Plus 488 Napsin A antibody (CL488-86052-4, Clone: 242433C10) at dilution of 1:200.