

For Research Use Only

CoraLite® Plus 488-conjugated KAP1

Monoclonal antibody



Catalog Number: **CL488-66630**

Featured Product

Basic Information

Catalog Number: CL488-66630	GenBank Accession Number: BC004978	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10155	CloneNo.: 1B9G12
Source: Mouse	Full Name: tripartite motif-containing 28	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 89 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG7519	Observed MW: 100 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: Human	

Background Information

KAP1, also named as TRIM28 or RNF96, is a 835 amino acid protein, which contain one RING-type zinc finger, one PHD-type zinc finger, one bromo domain and two B box-type zinc fingers. KAP1 localizes in the nucleus and belongs to the TRIM/RBCC family. KAP1 is a nuclear corepressor for KRAB domain-containing zinc finger proteins and mediates gene silencing by recruiting CHD3, a subunit of the nucleosome remodeling and deacetylation (NuRD) complex, and SETDB1 to the promoter regions of KRAB target genes. KAP1 is expressed in all tissues tested including spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes. The calculated molecular weight of KAP1 is 89 kDa, but modified KAP1 is about 100 kDa. (PMID: 18590578)

Storage

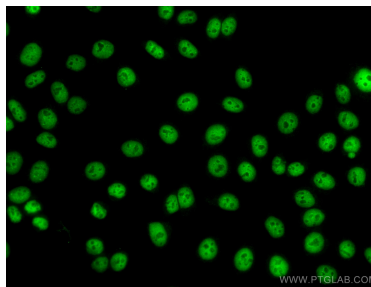
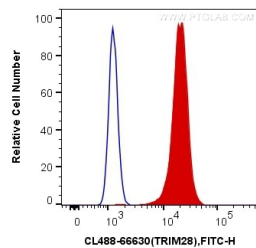
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human KAP1 (CL488-66630, Clone:1B9G12) (red), or 0.2 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488-conjugated KAP1 antibody (CL488-66630, Clone: 1B9G12) at dilution of 1:100.