

For Research Use Only

# CoraLite®555-conjugated KAP1 Monoclonal antibody



Catalog Number:CL555-66630

## Basic Information

<b>Catalog Number:</b> CL555-66630	<b>GenBank Accession Number:</b> BC004978	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10155	<b>CloneNo.:</b> 1B9G12
<b>Source:</b> Mouse	<b>Full Name:</b> tripartite motif-containing 28	<b>Excitation/Emission maxima wavelengths:</b> 555 nm / 570 nm
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 89 kDa	
<b>Immunogen Catalog Number:</b> AG7519	<b>Observed MW:</b> 100 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**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.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

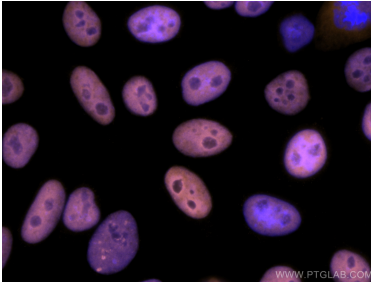
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

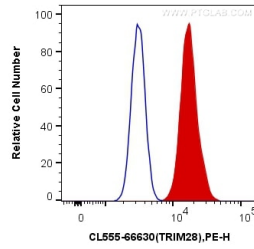
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®555 KAP1 antibody (CL555-66630, Clone: 1B9G12) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human KAP1 (CL555-66630, Clone: 1B9G12) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).