

# CoraLite®555-conjugated KAP1 Monoclonal antibody

Catalog Number: **CL555-66630**

## Basic Information

**Catalog Number:**

CL555-66630

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG7519

**GenBank Accession Number:**

BC004978

**GeneID (NCBI):**

10155

**UNIPROT ID:**

Q13263

**Full Name:**

tripartite motif-containing 28

**Calculated MW:**

89 kDa

**Observed MW:**

100 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1B9G12

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

557 nm / 570 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : HepG2 cells,

## 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:**

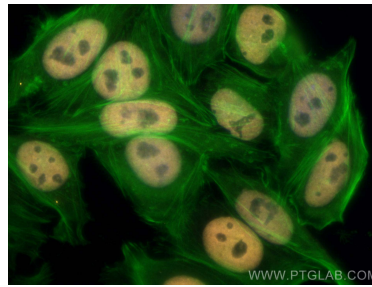
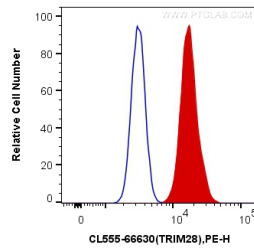
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



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).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®555 KAP1 antibody (CL555-66630, Clone: 1B9G12 ) at dilution of 1:200, CL488-phalloidin (green).