

For Research Use Only

# CoraLite®594-conjugated KAP1 Recombinant monoclonal antibody

Catalog Number:CL594-85693-4



## Basic Information

<b>Catalog Number:</b> CL594-85693-4	<b>GenBank Accession Number:</b> BC004978	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10155	<b>CloneNo.:</b> 243043D10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13263	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> tripartite motif-containing 28	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG7350	<b>Calculated MW:</b> 89 kDa	
	<b>Observed MW:</b> 100-120 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> 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)

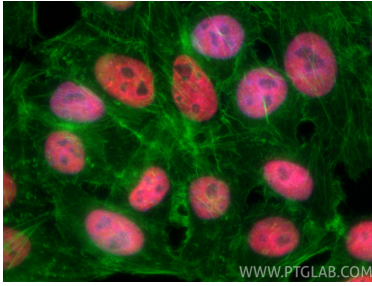
## Storage

**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, pH7.3  
Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 KAP1 antibody (CL594-85693-4, Clone: 243043D10 ) at dilution of 1:200, CL488-Phalloidin (green).