

For Research Use Only

COP1 Polyclonal antibody

Catalog Number: 13542-1-AP

1 Publications



Basic Information

Catalog Number:

13542-1-AP

Size:

150ul, Concentration: 147 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4484

GenBank Accession Number:

BC039723

GeneID (NCBI):

64326

UNIPROT ID:

Q8NHY2

Full Name:

ring finger and WD repeat domain 2

Calculated MW:

731 aa, 80 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human heart tissue, mouse heart tissue

IHC : human osteosarcoma tissue,

Background Information

COP1 is also named as RFWD2, RNF200 and belongs to the COP1 family. It is a ubiquitin ligase that targets key regulators for degradation, and DET1 complexes with COP10 and DDB1, which is proposed to aid in COP1-mediated degradation (PMID:22705257). The endogenous COP1 is localized predominantly in the nucleus, but small amount may also be present in the cytosol. Within the nucleus, COP1 is present in both the nucleoplasm (NP) and the nuclear envelope (NE) fractions, although COP1 is more enriched in the nucleoplasm (PMID:12466024). Two of the COP1 isoforms identified by RNA-seq analysis predicted the size of two proteins detected by the antibody for COP1, a 75 kDa band, corresponding to the longer isoform, and a 50 kDa band corresponding to the shorter isoform. (PMID:24714719). It has been shown that COP1 forms dimerization through its coiled-coil region.

Notable Publications

Author	Pubmed ID	Journal	Application
Yoon-Jin Kim	30393117	Cancer Lett	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

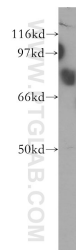
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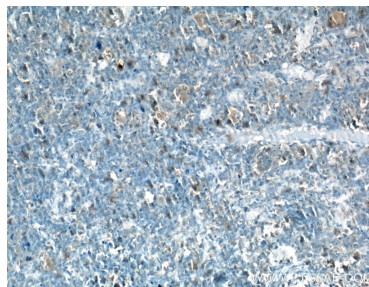
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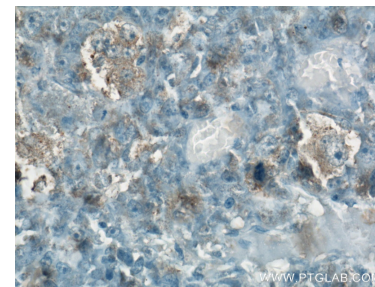
Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 13542-1-AP (COP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 13542-1-AP (COP1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 13542-1-AP (COP1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).