

For Research Use Only

BUB3 Polyclonal antibody

Catalog Number: 10123-2-AP



Basic Information

Catalog Number:

10123-2-AP

Size:

150ul , Concentration: 400 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0167

GenBank Accession Number:

BC005138

GeneID (NCBI):

9184

UNIPROT ID:

O43684

Full Name:

budding uninhibited by benzimidazoles 3 homolog (yeast)

Calculated MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:20-1:200

Applications

Tested Applications:

IF, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

BUB3 is a conserved component of the mitotic spindle assembly complex and is an essential component of spindle-assembly checkpoint (SAC) signaling that operates during early embryogenesis. BUB3 null embryos treated with a spindle-depolymerising agent fail to arrest in metaphase and show an increase in mitotic disarray. In mitosis, the SAC prevents anaphase onset until all chromosomes have been attached to the spindle microtubules and aligned correctly at the equatorial metaphase plate. BUB3 is involved in promoting the establishment of correct kinetochore-microtubule (K-MT) attachments in mammalian oocyte meiosis.

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

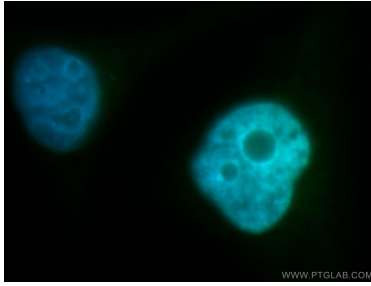
For technical support and original validation data for this product please contact:

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Selected Validation Data



Immunofluorescent analysis of HepG2 cells, using BUB3 antibody 10123-2-AP at 1:100 dilution and FITC-labeled donkey anti-rabbit IgG(green). Blue pseudocolor = DAPI (fluorescent DNA dye).