

## Bub3 (Phospho-Tyr207) Antibody

Catalog No: #11586

Package Size: #11586-1 50ul #11586-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

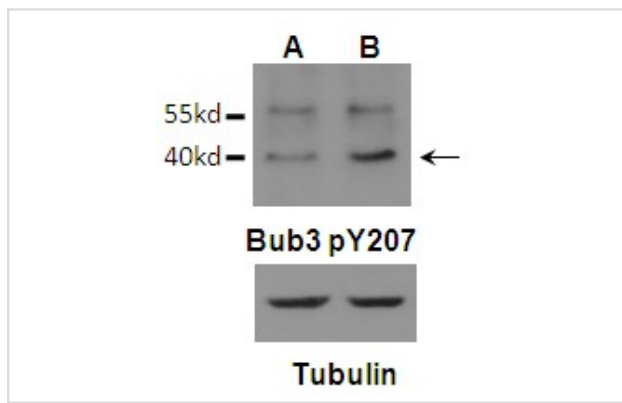
## Description

Product Name	Bub3 (Phospho-Tyr207) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Bub3 only when phosphorylated at Tyrosine 207.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Tyrosine 207 (V-E-Y(p)-L-D) derived from Human Bub3.
Target Name	Bub3
Modification	Phospho
Other Names	Mitotic checkpoint protein BUB3, Hbub3, BUB3L, BUB3 budding uninhibited by benzimidazoles 3 homolog, budding uninhibited by benomyl
Accession No.	Swiss-Prot#: O43684 NCBI Protein#: NP_001007794.1
Uniprot	O43684
GeneID	9184;
SDS-PAGE MW	40KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:1000

## Images



Western blot analysis of Bub3 (Phospho-Tyr207)Antibody #11586 (arrow indicated) in U87 (A) and U87 EGFRvIII (B) cells in Mitosis.

## Background

Has a dual function in spindle-assembly checkpoint signaling and in promoting the establishment of correct kinetochore-microtubule (K-MT) attachments. Promotes the formation of stable end-on bipolar attachments. Necessary for kinetochore localization of BUB1. Regulates chromosome segregation during oocyte meiosis. The BUB1/BUB3 complex plays a role in the inhibition of anaphase-promoting complex or cyclosome (APC/C) when spindle-assembly checkpoint is activated and inhibits the ubiquitin ligase activity of APC/C by phosphorylating its activator CDC20. This complex can also phosphorylate MAD1L1.

Seeley T.W., Wang L., Zhen J.Y. *Biochem. Biophys. Res. Commun.* 257:589-595(1999)

Tang Z., Shu H., Oncel D., Chen S., Yu H. *Mol. Cell* 16:387-397(2004)

Logarinho E., Resende T., Torres C., Bousbaa H. *Mol. Biol. Cell* 19:1798-1813(2008)

Note: This product is for in vitro research use only