

Datasheet for ABIN7138956
anti-BUB3 antibody (pTyr207)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	BUB3
Binding Specificity:	pTyr207
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BUB3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Tyrosine 207 (V-E-Y(p)-L-D) derived from Human Bub3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
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

Target Details

Target:	BUB3
Alternative Name:	BUB3 (BUB3 Products)

Target Details

Background:

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)

?

Aliases: Aa2-050 antibody, AU019800 antibody, AU021329 antibody, AU043350 antibody, AW146323 antibody, BUB 3 antibody, BUB 3L antibody, BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog antibody, bub3 antibody, BUB3 budding uninhibited by benzimidazoles 3 homolog antibody, BUB3 mitotic checkpoint protein antibody, BUB3_HUMAN antibody, BUB3L antibody, Budding uninhibited by benomyl antibody, Budding uninhibited by benzimidazoles 3 antibody, Budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae) antibody, Budding uninhibited by benzimidazoles 3 homolog (yeast) antibody, Budding uninhibited by benzimidazoles 3 homolog antibody, Budding uninhibited by benzimidazoles 3, S. cerevisiae, homolog of antibody, C78067 antibody, hBUB3 antibody, Mitotic checkpoint component antibody, Mitotic checkpoint protein bub3 antibody, OTTHUMP00000020679 antibody, OTTHUMP00000020680 antibody, WD repeat type I transmembrane protein A72.5 antibody

UniProt:

[O43684](#)

Pathways:

[Maintenance of Protein Location](#)

Application Details

Application Notes:

WB:1:500-1:1000,

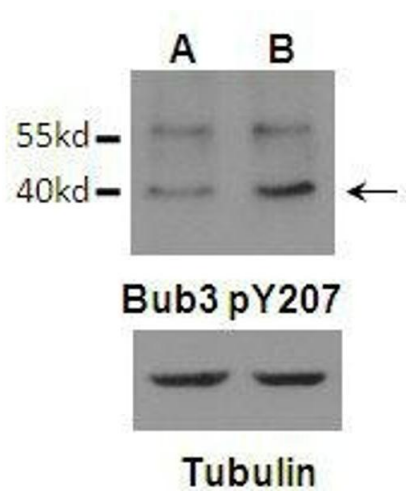
Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of Bub3 (Phospho-Tyr207)Antibody (arrow indicated) in U87 (A) and U87 EGFRvIII (B) cells in Mitosis.