

Anti-Phospho-AURKB (T232) Antibody

Catalog Number: P00762-2

About AURKB

AURKB(aurora kinase B) also called Aik2, AIM-1, ARK2, AurB, STK12, IPL1, PPP1R48 or STK5, localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers. Cell cycle and Northern blot analyses showed that STK12 is expressed in the S phase and persistently thereafter. Western blot analysis indicated that STK12 is localized in the midbodies during anaphase. Northern blot analysis detected strong expression of a 1.5-kb STK12 transcript in thymus, with weaker expression in small intestine, testis, colon, spleen, and brain. The AURKB gene is mapped on 17p13.1. Examination of the role of both kinases in the phosphorylation of CENPA revealed that the reaction is mediated sequentially by AURKA and AURKB in early mitosis. EB1 overexpression enhanced AURKB kinase activity, and knockdown of EB1 with small interfering RNA impaired AURKB activity. EB1 protected AURKB from dephosphorylation/inactivation by protein phosphatase-2A by blocking binding of PP2A to AURKB.

Overview

Product Name	Anti-Phospho-AURKB (T232) Antibody
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-Phospho-AURKB (T232) Antibody catalog # P00762-2. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q96GD4

Technical Details

Immunogen	A synthesized peptide derived from human AurB around the phosphorylation site of Thr232.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200
Immunocytochemistry/Immunofluorescence, 1:50-200

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For Research Use Only. Not for use in diagnostic procedures.