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AURKB (N) Antibody, Rabbit Polyclonal

Cat#: R0117-1

Quantity: 100 ul

Predicted M.W.: 39 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q96GD4

Background:

AURKB is a key regulator for the onset of cytokinesis during mitosis and may be directly involved in regulating the cleavage of polar spindle microtubules. AURKB is a component of the chromosomal passenger complex (CPC), which has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. AURKB phosphorylates 'Ser-10' and 'Ser-28' of histone H3 during mitosis.

Other Names:

AIK2, AIM1, ARK2, STK12, Aurora kinase B, Aurora- and IPL1-like midbody-associated protein 1, STK-1, Serine/threonine-protein kinase aurora-B, Serine/threonine-protein kinase 12

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human AURKB. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Recommended Conditions (tested):

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

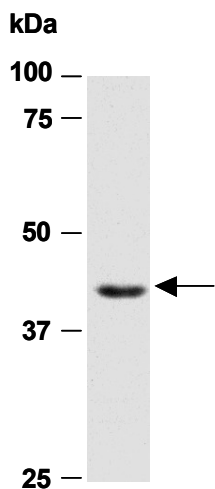


Fig 1. Western blot of whole cell extract from mouse brain, using Ab (R0117-1) at RT for 2 h.

Reference cited for this product:

1. Bailey JK, Fields AT, Cheng K, Lee A, Wagenaar E, Lagrois R, Schmidt B, Xia B, Ma D. (2015) WD repeat-containing protein 5 (WDR5) localizes to the midbody and regulates abscission. *J Biol Chem.* 290:22447.



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