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EB05035 - Goat Anti-Aurora kinase A / AURKA Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: AURKA, aurora kinase A, AIK, ARK1, AURA, AURORA2, BTAK, MGC34538, STK15, STK6, STK7, IPL1-related kinase, aurora-A, aurora-related kinase 1, aurora/IPL1-like kinase, breast-tumor-amplified kinase, serine/threonine kinase 15, serine/threonine kinase 6, serine/threonine protein kinase 15, serine/threonine protein kinase 6, OTTHUMP00000031340, OTTHUMP00000031342, OTTHUMP00000031343, OTTHUMP00000031344, OTTHUMP00000031345, OTTHUMP00000166071
Official Symbol: AURKA
Accession Number(s): NP_003591.2
Human GeneID(s): 6790
Important Comments: Reported variants represent identical protein: NP_003591.2; NP_940835.1; NP_940836.1; NP_940837.1; NP_940838.1; NP_940839.1

Immunogen

Peptide with sequence C-QNKESASKQS, from the C Terminus of the protein sequence according to NP_003591.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 45kDa band observed in lysates of cell line HeLa and Jurkat lysate (calculated MW of 45.8kDa according to NP_003591.2). Recommended concentration: 0.1-0.3µg/ml.

Immunoprecipitation: This antibody was deemed fit for IP under native conditions (observations from a customer).

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen
A high-throughput pipeline for validation of antibodies
Nat Methods. 2018 Nov;15(11):909-912
PMID: 30377371

EB05035 (0.1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.