

Product datasheet for **AP31338PU-N**

Aurora B (AURKB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Immunofluorescence: 1/100 - 1/500. Immunohistochemistry on Paraffin Sections: 1/200. Western Blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	This antibody detects endogenous levels of total AurB protein.
Formulation:	PBS (without Mg ²⁺ , Ca ²⁺), pH 7.4 containing 150 mM Sodium Chloride, 0.02% Sodium Azide and 50% Glycerol. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aurora kinase B
Database Link:	Entrez Gene 20877 Mouse Entrez Gene 114592 Rat Entrez Gene 9212 Human Q96GD4



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Background:

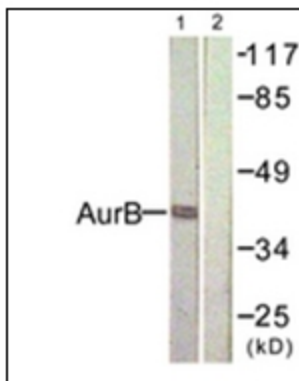
ARK2, an Aurora/IPL1-like protein kinase, functions in bipolar chromosome orientation, kinetochore assembly, spindle checkpoint and microtubule dynamics, and chromosome condensation and cohesion. ARK2 has been shown to be physically associated with inner centromere protein (INCENP) during mitosis, and activated ARK2 has been shown to phosphorylate histone H3. The Ark2 gene has been mapped to 17p13.1, a region that is frequently deleted in tumors, and has been shown to be transcriptionally overexpressed in many tumor cell lines. Overexpression of ARK2 disrupts cleavage furrow formation without affecting nuclear division, often resulting in multinuclearity and polyploidy.

Synonyms:

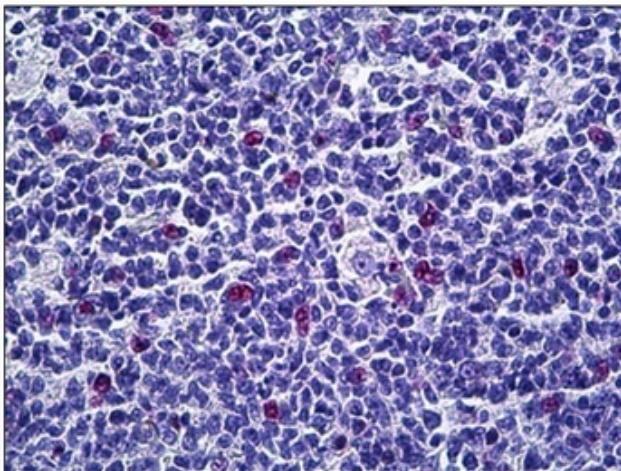
Aurora-B, Aurora/IPL1-related kinase 2, STK-1, AURKB, AIK2, AIM1, ARK2, STK12

Protein Families:

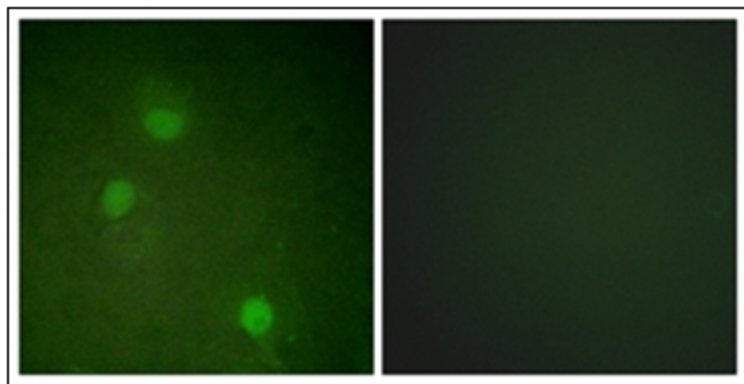
Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Product images:


Western blot analysis of extracts from COS7 cells, treated with Nocodazole 1ug/ml 16h, using AURKB Antibody. The lane on the right is treated with the synthesized peptide.



Human Tonsil, Lymphocytes: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence analysis of HeLa cells, using AURKB Antibody. The picture on the right is treated with the synthesized peptide.