

## Product datasheet for **AP22823PU-N**

### **Aurora B (AURKB) (1-344) Sheep Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommend Dilution:</b>	<b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml. <b>Western Blot:</b> 0.2 µg/ml.
<b>Reactivity:</b>	Human
<b>Host:</b>	Sheep
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	AURKB antibody was raised against recombinant Human His(6)-Aurora B [residues 1-344] expressed in insect cells.
<b>Specificity:</b>	This antibody recognizes Aurora Kinase B (AURKB/ARK2) at aa 1-344.
<b>Formulation:</b>	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Chromatography
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	Homo sapiens aurora kinase B (AURKB), transcript variant 1
<b>Database Link:</b>	<a href="#">Entrez Gene 9212 Human</a>
<b>Background:</b>	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.

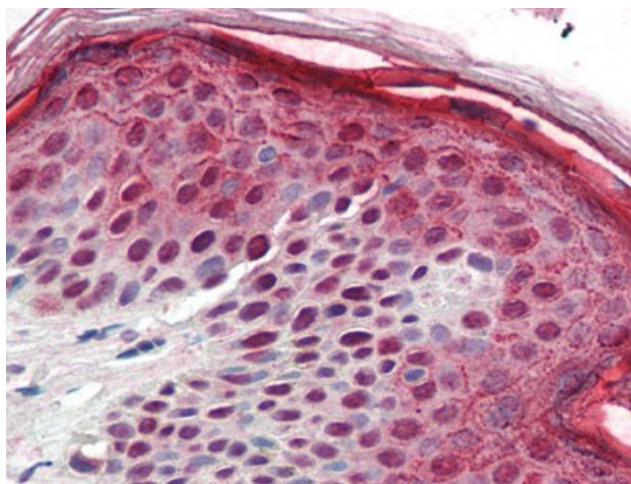


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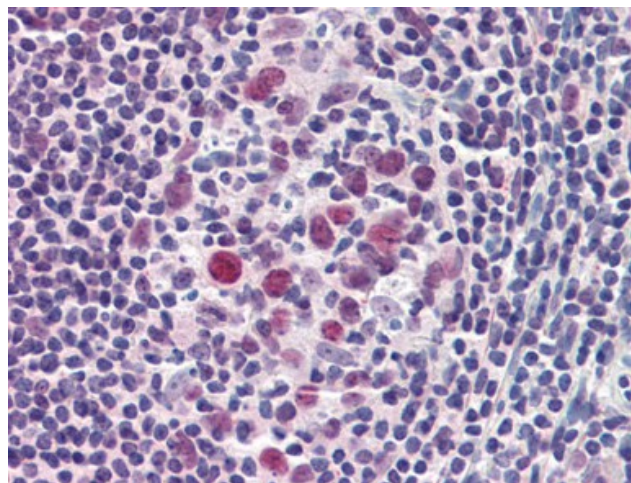
**Synonyms:** Aurora-B, Aurora/IPL1-related kinase 2, STK-1, AURKB, AIK2, AIM1, ARK2, STK12

**Protein Families:** Druggable Genome, Protein Kinase, Stem cell - Pluripotency

**Product images:**



Human Skin (formalin-fixed, paraffin-embedded) stained with AURKB antibody at 10 ug/ml followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Tonsil (formalin-fixed, paraffin-embedded) stained with AURKB antibody at 10 ug/ml followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.