

Anti-Aurora B Antibody (91737)

Product Details

| | |
|-------------------|--------------------------------------|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse |
| Molecular Weight: | Theoretical: 39 kDa. Actual: 35 kDa. |
| Clone: | 91737 |
| Purification: | Protein G purified |

Applications

1. Sample:
Lane 1: Human Hela cell Lysates
Lane 2: Human 293T cell Lysates
Primary: Anti-Aurora B (TMAB-00174) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kDa
Observed band size: 35 kDa
2. Blocking buffer: 5% NFDM/TBST
Primary dilution: 1:1000
Primary incubation condition: 2 hours at room temperature
Secondary: Goat Anti-Rabbit IgG H&L (HRP)
Lysate: 1: HeLa, 2: 293, 3: A20
Protein loading quantity: 20 µg
Exposure time: 30 s
Predicted MW: 39 kDa
Observed MW: 39 kDa
3. Cell line: A549
Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100
Primary dilution: 1:50
Primary incubation condition: 4°C overnight
Secondary: Goat Anti-Rabbit IgG
Nuclear counter stain: DAPI (Blue)
Comment: Color green is the positive signal for TMAB-00174
4. Tissue: Human tonsil
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure
Retrieval buffer: Tris/EDTA buffer, pH9.0 Primary dilution: 1:100
Primary incubation condition: 1 hour at room temperature
Secondary: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-00174
5. Tissue: Mouse spleen
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure
Retrieval buffer: Tris/EDTA buffer, pH9.0 Primary dilution: 1:100

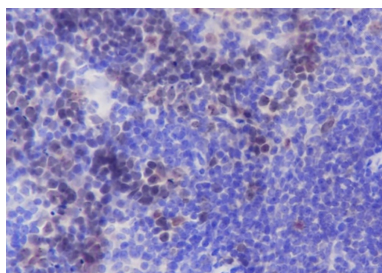
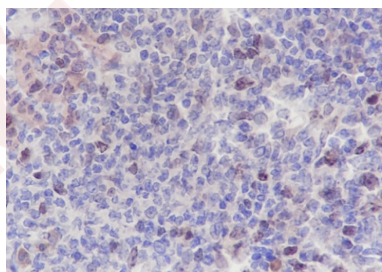
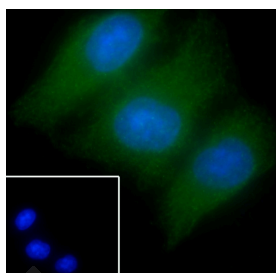
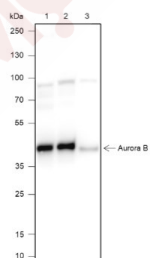
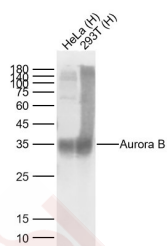
Verified Activity:

Primary incubation condition: 1 hour at room temperature

Secondary: SP Kit (Rabbit)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for TMAB-00174



Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended ICC/IF=1:50-200; IF=1:50-200; IHC-Fr=1:50-200; IHC-P=1:50-200; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Aurora B

Antigen Species: Human

Gene ID: 9212

Uniprot ID: Q96GD4

Synonyms: STK1;aurora-related kinase 2;aurora kinase B-Sv1;AIM1;AurB;AIK2;aurora kinase B-Sv2;AIRK2;aurkb-sv1;STK5;aurora-B;aurora-1;aurora-and Ipl1-like midbody-associated protein 1;ARK-2;AIM-1;STK12;aurora/IPL1-related kinase 2;serine/threonine-protein kinase aurora-B;AURKB;STK-1;aurkb-sv2;serine/threonine kinase 12;IPL1

Biology Area: Aurora,Aurora,Phosphorylation,Aurora

Research Background

This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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