

Aurora A Monoclonal Antibody (35C1)

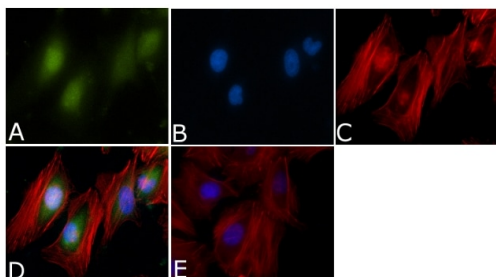
| Product Details | |
|--------------------|--|
| Size | 100 µg |
| Species Reactivity | Bovine, Dog, Horse, Human, Mouse, Non-human primate, Pig, Rat |
| Published Species | Human |
| Host/Isotope | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 35C1 |
| Conjugate | Unconjugated |
| Immunogen | Recombinant protein derived from the full length of human Aurora A Kinase protein |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Protein A |
| Storage buffer | PBS, pH 7.4 |
| Contains | 0.1% sodium azide |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2533839 |

| Applications | Tested | Dilution | Published |
|-----------------------------|--------|-----------|----------------|
| Western Blot (WB) | ✓ | 1-3 µg/mL | 2 Publications |
| Miscellaneous PubMed (MISC) | - | | 1 Publication |
| Immunocytochemistry (ICC) | ✓ | 1-2 µg/mL | |
| Immunofluorescence (IF) | ✓ | 1-2 µg/mL | |
| Immunoprecipitation (IP) | ✓ | 5 µg | |

Product Images For Aurora A Monoclonal Antibody (35C1)

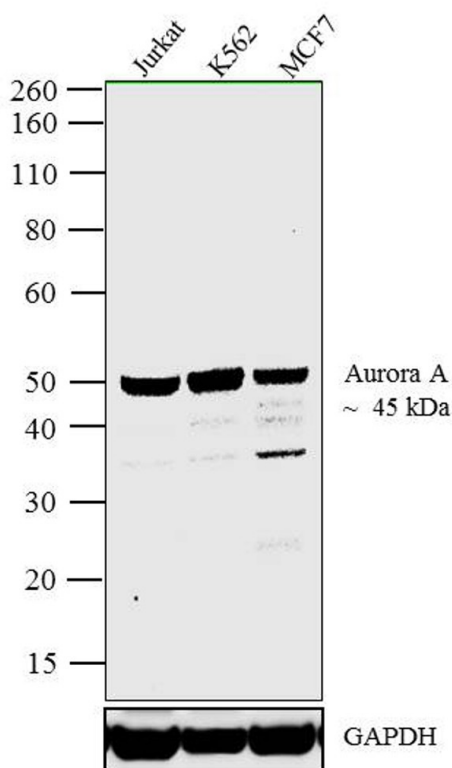
Aurora A Antibody (45-8900) in IF

Immunofluorescent analysis of Aurora A Antibody (35C1) was done on 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with Aurora A Antibody (35C1) (Product # 45-8900) at 1µg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Rabbit Anti-Mouse IgG Secondary Antibody (Product # A-11059) at a dilution of 1:400 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic and Nuclear localization. Panel e is a no primary antibody control. The images were captured at 40X magnification.



Aurora A Antibody (45-8900) in WB

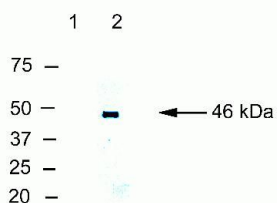
Western blot analysis of Aurora A was performed by loading 30 µg of Jurkat (lane1), K562 (lane2) and MCF7 (lane3) cell lysate using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and iBlot® Dry Blotting System (IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. Aurora A was detected at ~ 45 kDa using Aurora A Mouse Monoclonal Antibody (Product # 45-8900) at 1-3 µg/mL in 5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Mouse IgG - HRP Secondary Antibody (Product # 62-6520) 1:4000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Aurora A Antibody (45-8900) in WB

Western blot analysis of Aurora A using a monoclonal antibody (Product # 45-8900).

Western Blot Mouse anti-Aurora A Kinase (35C1)



1: HeLa + mouse IgG1 negative control
2: HeLa + Aurora A Kinase (35C1) antibody

3 References

Western Blot (2)

Molecular and cellular proteomics : MCP

Quantitative Temporal Viromics of an Inducible HIV-1 Model Yields Insight to Global Host Targets and Phospho-Dynamics Associated with Protein Vpr.

Authors: Lapek JD,Lewinski MK,Wozniak JM,Guatelli J,Gonzalez DJ

Species
Human

Dilution
Not Cited

Year
2017

Scientific reports

14-3-3 Prevents Centrosome Amplification and Neoplastic Progression.

"45-8900 was used in western blot to analyze prevention of centrosome amplification and neoplastic progression by 14-3-3gamma"

Authors: Mukhopadhyay A,Sehgal L,Bose A,Gulvady A,Senapati P,Thorat R,Basu S,Bhatt K,Hosing AS,Balyan R,Borde L,Kundu TK,Dalal SN

Species
Not Applicable

Dilution
1:1000

Year
2016

Miscellaneous PubMed (1)

eLife

Aurora-A mediated histone H3 phosphorylation of threonine 118 controls condensin I and cohesin occupancy in mitosis.

"45-8900 was used in western blot to examine how histone H3 threonine 118 alters chromosome structure"

Authors: Wike CL,Graves HK,Hawkins R,Gibson MD,Ferdinand MB,Zhang T,Chen Z,Hudson DF,Ottesen JJ,Poirier MG,Schumacher J,Tyler JK

Species
Human

Dilution
Not Cited

Year
2016

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