

# Aurora A Monoclonal Antibody (4G10)

| Product Details    |  |
|--------------------|--|
| Size               | 100 µL   |
| Species Reactivity | Human, Non-human primate, Rat  |
| Host/Isotope       | Mouse / IgG1   |
| Class              | Monoclonal   |
| Type               | Antibody   |
| Clone              | 4G10   |
| Conjugate          | Unconjugated   |
| Immunogen          | Purified recombinant fragment of human AURKA expressed in E. Coli.                           |
| Form               | Liquid   |
| Storage buffer     | ascites  |
| Contains           | 0.03% sodium azide   |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID               | AB_11154643  |

| Applications               | Tested | Dilution       | Published |
|----------------------------|--------|----------------|-----------|
| Immunohistochemistry (IHC) | ✓      | 1/200 - 1/1000 |           |
| Western Blot (WB)          | ✓      | 1/500 - 1/2000 |           |

## Product Specific Information

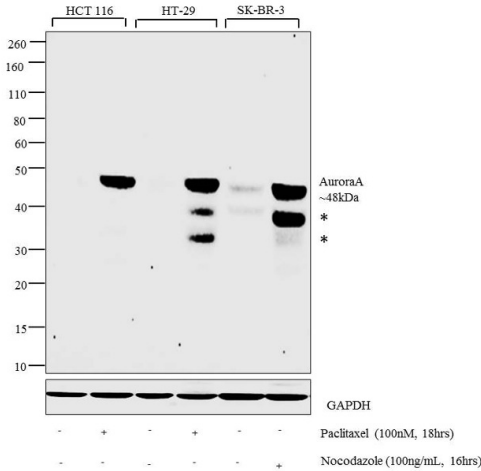
MA5-15804 targets AURKA in IHC and WB applications and shows reactivity with Human, Non-human primate, and Rat samples.

The MA5-15804 immunogen is purified recombinant fragment of human AURKA expressed in E. Coli.

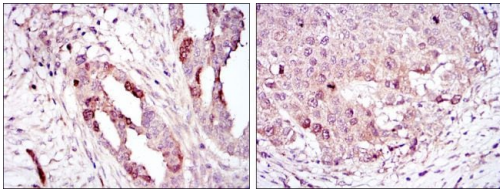
MA5-15804 detects AURKA which has a predicted molecular weight of approximately 48kDa.

**Aurora A Antibody (MA5-15804)**

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of Aurora A using with Aurora A Monoclonal Antibody (Product # MA5-15804) shows an increase in protein expression upon Paclitaxel and Nocodazole treatment respectively. Cell Treatment validation info.



**Product Images For Aurora A Monoclonal Antibody (4G10)**

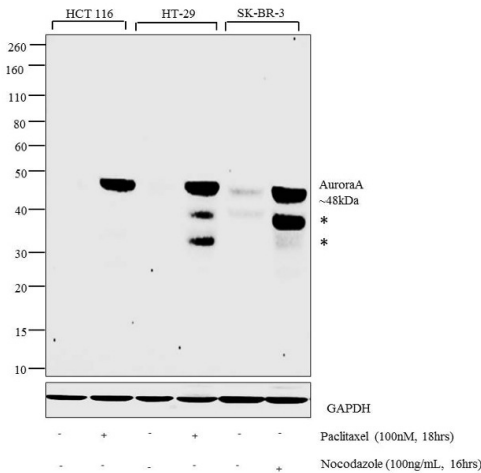


**Aurora A Antibody (MA5-15804) in IHC**

Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and lung cancer (right) using AURKA monoclonal antibody (Product # MA5-15804) followed with DAB staining.

**Aurora A Antibody (MA5-15804) in WB**

Western blot analysis was performed on modified whole cell extracts (30 µg lysate) of HCT-116 (Lane 1), HCT-116 treated with Paclitaxel (100nM, 18hrs) (Lane 2), HT-29 (Lane 3), HT-29 treated with Paclitaxel (100nM, 18hrs) (Lane 4), SK-BR-3 (Lane 5), SK-BR-3 treated with Nocodazole (100ng/ml, 16 hrs) (Lane 6). The blot was probed with Aurora A Monoclonal Antibody (4G10)(Product # MA51-5804, 1:2000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25µg/ml, 1:4000 dilution). A 80 kDa band corresponding to AuroraA was observed upon treatment in all the cell lines tested.



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