

# Product Datasheet

## 5'-Nucleotidase/CD73 Antibody (A6G2-R) NBP3-32166

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32166****5'-Nucleotidase/CD73 Antibody (A6G2-R)**

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 100 ul   |
| <b>Concentration</b>           | 1 mg/ml  |
| <b>Storage</b>                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | A6G2-R   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1   |
| <b>Purity</b>                  | Protein A purified   |
| <b>Buffer</b>                  | PBS (pH7.4), 0.1% BSA and 40% Glycerol   |
| <b>Target Molecular Weight</b> | 63 kDa   |

| <b>Product Description</b> |   |
|----------------------------|---|
| <b>Description</b>         | Novus Biologicals Mouse 5'-Nucleotidase/CD73 Antibody (A6G2-R) (NBP3-32166) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                | Mouse   |
| <b>Gene ID</b>             | 4907  |
| <b>Gene Symbol</b>         | NT5E  |
| <b>Species</b>             | Human, Mouse, Rat   |
| <b>Immunogen</b>           | Recombinant protein within Human 5'-Nucleotidase/CD73 27-549. (Uniprot: P21589)   |

| <b>Product Application Details</b> |   |
|------------------------------------|---|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry                     |
| <b>Recommended Dilutions</b>       | Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000 |



## Images

Western Blot: 5'-Nucleotidase/CD73 Antibody (A6G2-R) [NBP3-32166] - Western blot analysis of 5'-Nucleotidase/CD73 on different lysates with Mouse anti-5'-Nucleotidase/CD73 antibody (NBP3-32166) at 1/2,000 dilution.

Lane 1: U-87 MG cell lysate  
Lane 2: U-87 MG cell lysate (no heat)

Lysates/proteins at 30 ug/Lane.

Predicted band size: 63 kDa  
Observed band size: 70 kDa

Exposure time: 24 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32166) at 1/2,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

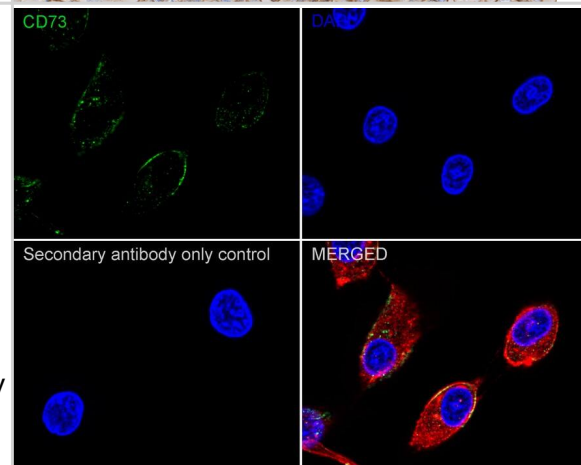
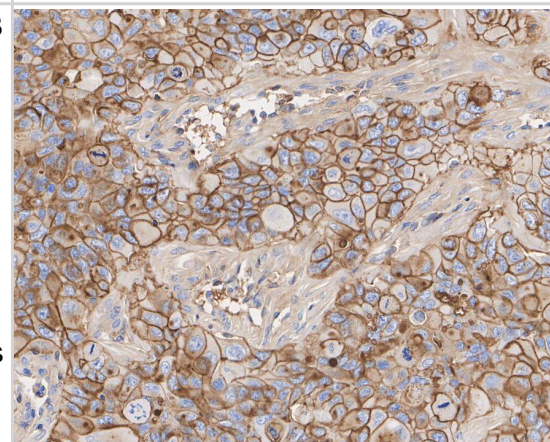
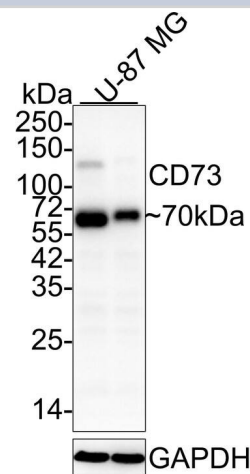
Immunohistochemistry: 5'-Nucleotidase/CD73 Antibody (A6G2-R) [NBP3-32166] - Immunohistochemical analysis of paraffin-embedded NCI-H441 xenograft tissue with Mouse anti-5'-Nucleotidase/CD73 antibody (NBP3-32166) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32166) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: 5'-Nucleotidase/CD73 Antibody (A6G2-R) [NBP3-32166] - Immunocytochemistry analysis of U-87 MG cells labeling 5'-Nucleotidase/CD73 with Mouse anti-5'-Nucleotidase/CD73 antibody (NBP3-32166) at 1/100 dilution.

Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-5'-Nucleotidase/CD73 antibody (NBP3-32166) at 1/100 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labeled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32166**

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|                  |  |
|------------------|--|
| NBP2-33376H      | Blue Marker Antibody (6F4-F6) [HRP]                |
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]       |
| NB7539           | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                   |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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