

**CD73(NT5E) Antibody (C-term)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2223a**

**Specification**

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**CD73(NT5E) Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P21589</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>

**CD73(NT5E) Antibody (C-term) - Additional Information**

**Gene ID** 4907

**Other Names**

5'-nucleotidase, 5'-NT, Ecto-5'-nucleotidase, CD73, NT5E, NT5, NTE

**Target/Specificity**

Purified His-tagged CD73(NT5E) protein was used to produced this monoclonal antibody.

**Dilution**

WB~~1:2000

IHC-P~~1:25

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD73(NT5E) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD73(NT5E) Antibody (C-term) - Protein Information**

**Name** NT5E

**Synonyms** NT5, NTE

**Function** Catalyzes the hydrolysis of nucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside, with AMP being the preferred substrate (PubMed:[21933152](#),

PubMed:[22997138](#), PubMed:[23142347](#), PubMed:[24887587](#), PubMed:[34403084](#)). Shows a preference for ribonucleotide monophosphates over their equivalent deoxyribose forms (PubMed:[34403084](#)). Other substrates include IMP, UMP, GMP, CMP, dAMP, dCMP, dTMP, NAD and NMN (PubMed:[21933152](#), PubMed:[22997138](#), PubMed:[23142347](#), PubMed:[24887587](#), PubMed:[34403084](#)).

#### Cellular Location

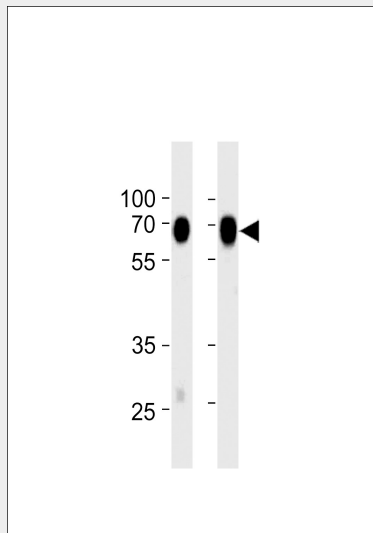
Cell membrane; Lipid-anchor, GPI-anchor

#### CD73(NT5E) Antibody (C-term) - Protocols

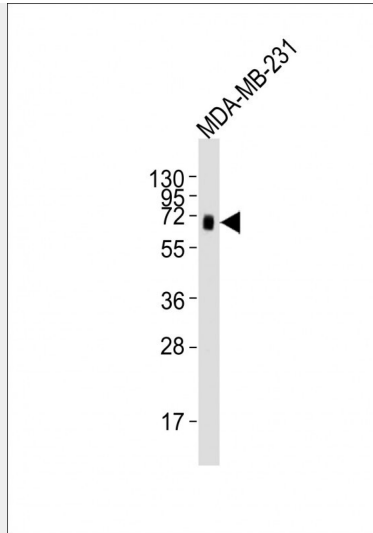
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

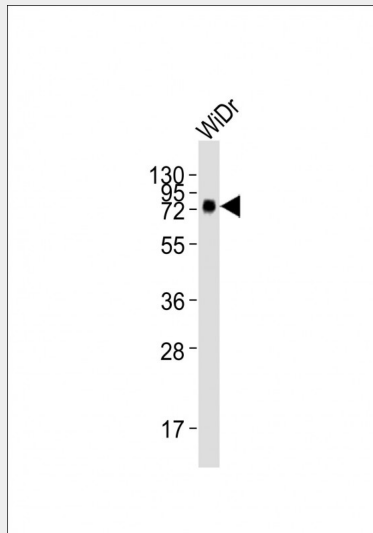
#### CD73(NT5E) Antibody (C-term) - Images



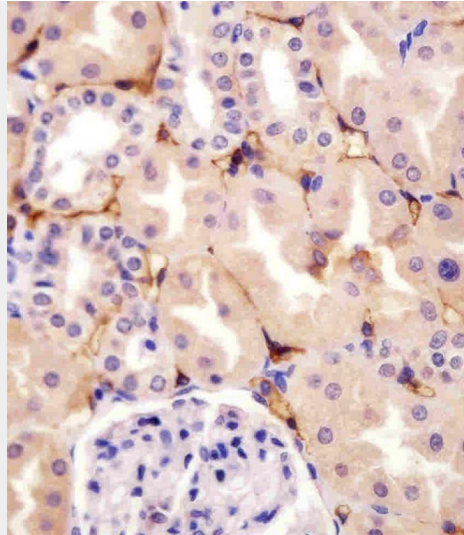
Anti-CD73 (NT5E) Antibody (C-term) at 1:4000 dilution + MDA-MB-231 whole cell lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated  
at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



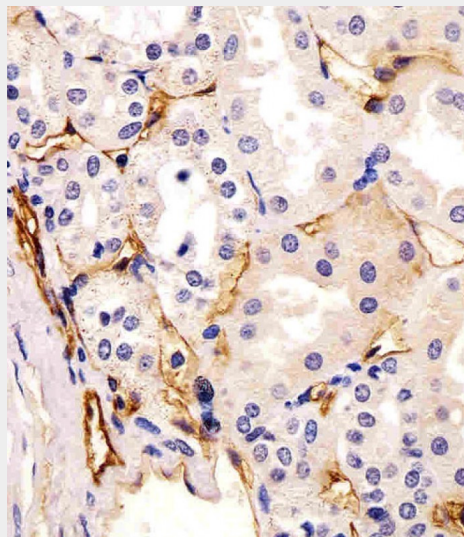
Anti-CD73 (NT5E) Antibody (C-term) at 1:4000 dilution + MDA-MB-231 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-CD73 (NT5E) Antibody (C-term) at 1:2000 dilution + WiDr whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AM2223A staining CD73 (NT5E) in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



AM2223A staining CD73 (NT5E) in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **CD73(NT5E) Antibody (C-term) - Background**

Hydrolyzes extracellular nucleotides into membrane permeable nucleosides.

#### **CD73(NT5E) Antibody (C-term) - References**

Misumi Y., et al. Eur. J. Biochem. 191:563-569(1990).

Otsuki T., et al. DNA Res. 12:117-126(2005).

Mungall A.J., et al. Nature 425:805-811(2003).

Hansen K.R., et al. Gene 167:307-312(1995).

Zanoni L., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.