

# CD73(NT5E) Antibody (C-term)

Mouse Monoclonal Antibody (Mab)

Catalog # AM2223a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P21589</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone Names</b>	974CT7.5.3
<b>Calculated MW</b>	63368

## Additional Information

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<b>Gene ID</b>	4907
<b>Other Names</b>	5'-nucleotidase, 5'-NT, Ecto-5'-nucleotidase, CD73, NT5E, NT5, NTE
<b>Target/Specificity</b>	Purified His-tagged CD73(NT5E) protein was used to produced this monoclonal antibody.
<b>Dilution</b>	WB~~1:5000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CD73(NT5E) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NT5E
<b>Synonyms</b>	NT5, NTE
<b>Function</b>	Catalyzes the hydrolysis of nucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside, with AMP being the preferred substrate (PubMed: <a href="#">21933152</a> , PubMed: <a href="#">22997138</a> , PubMed: <a href="#">23142347</a> , PubMed: <a href="#">24887587</a> , PubMed: <a href="#">34403084</a> ). 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

## Background

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Hydrolyzes extracellular nucleotides into membrane permeable nucleosides.

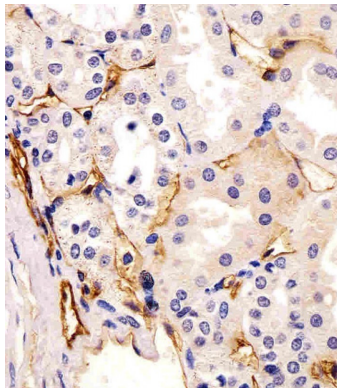
## References

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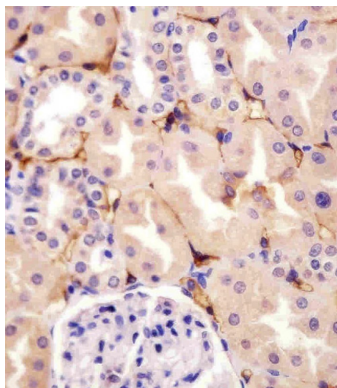
Misumi Y., et al. Eur. J. Biochem. 191:563-569(1990).  
Otsuki T., et al. DNA Res. 12:117-126(2005).  
Mungall A.J., et al. Nature 425:805-811(2003).  
Hansen K.R., et al. Gene 167:307-312(1995).  
Zanoni L., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.

## Images

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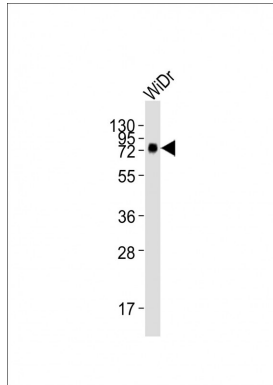
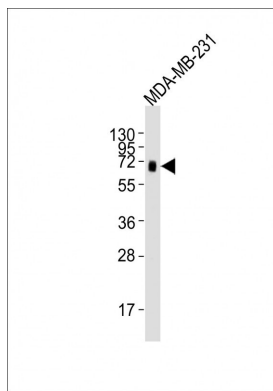


AM2223A staining CD73 (NT5E) in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (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.



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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.