

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

Specification

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

Application	WB, IHC-P,E
Primary Accession	P21589
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1

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

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

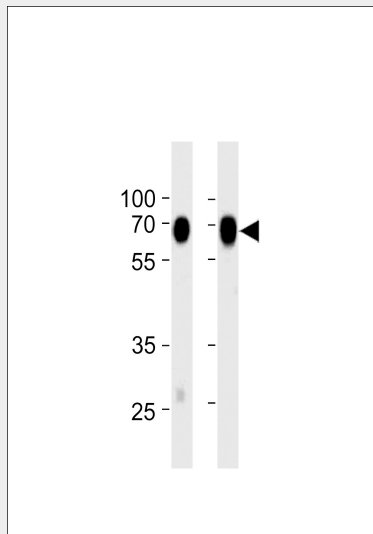
Cell membrane; Lipid-anchor, GPI-anchor

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

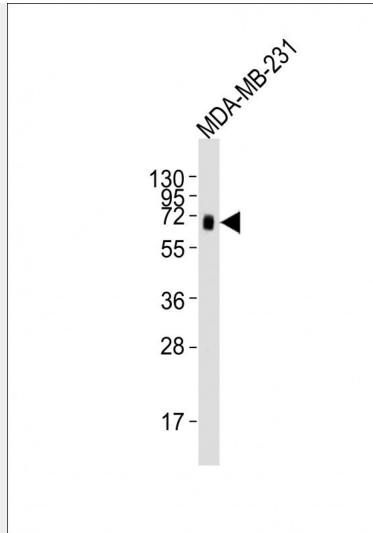
Provided below are standard protocols that you may find useful for product applications.

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

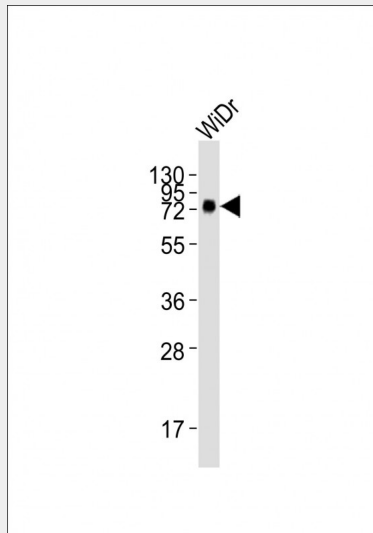
CD73(NT5E) Antibody (C-term) - Images



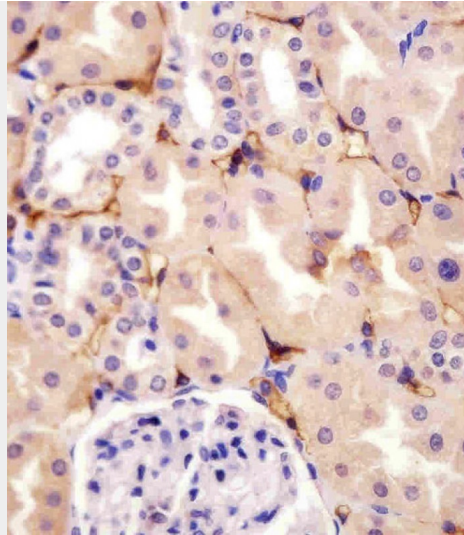
Anti-CD73 (NT5E) Antibody (C-term) at 1:4000 dilution + MDA-MB-231 whole cell lysates
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated
at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



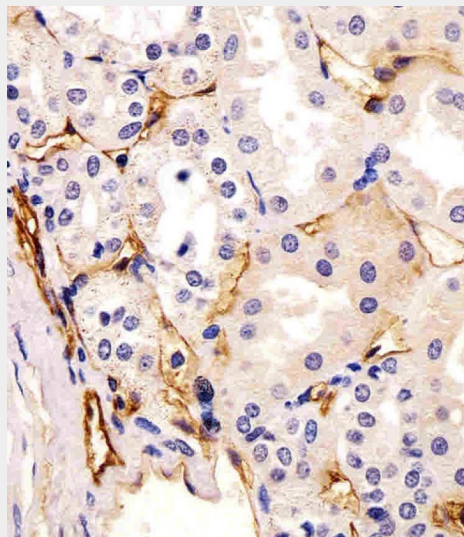
Anti-CD73 (NT5E) Antibody (C-term) at 1:4000 dilution + MDA-MB-231 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.



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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.