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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~~1:5000
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:34403084, PubMed:24887587, PubMed:22997138, PubMed:23142347). 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:34403084, PubMed:24887587, PubMed:22997138, PubMed:23142347).

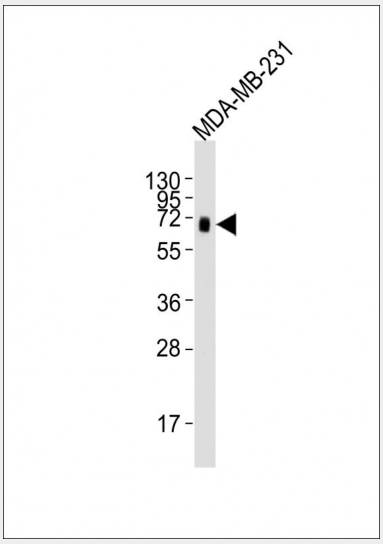
Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor

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

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

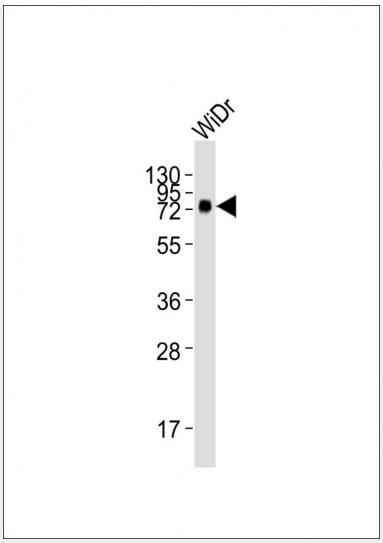
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

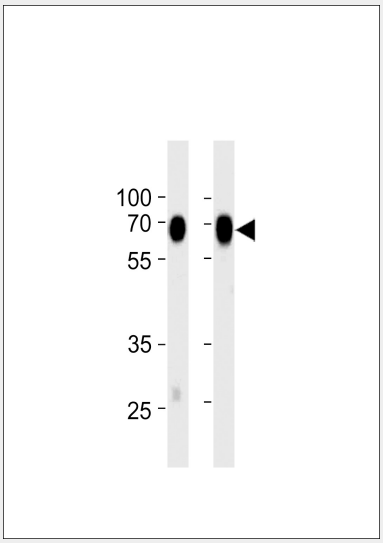


Anti-CD73 (NT5E) Antibody (C-term) at 1:4000 dilution + MDA-MB-231 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

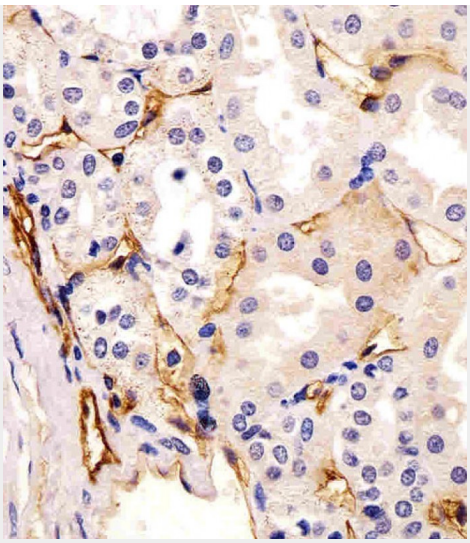
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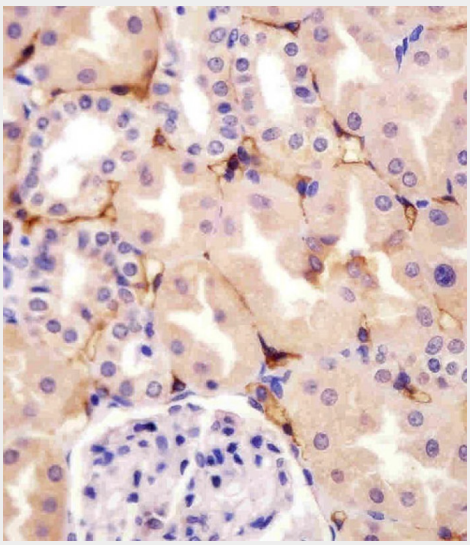
Anti-CD73 (NT5E) Antibody (C-term) at 1:2000 dilution + WiDr whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.



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 hours 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 hours 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.