Mouse anti cyclic adenosine monophosphate (cAMP) Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** cyclic adenosine monophosphate (cAMP)
- **Catalogue:** 500-9534
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ABM486
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A chemically linked 3', 5'-Cyclic Adenosine Monophosphate (cAMP)

BACKGROUND

Cyclic adenosine monophosphate (cAMP) is an intracellular mediator that plays an important role in a variety of hormone signaling. It's been known as an universal cytoplasmic second messenger in drug discovery due to the involvement of G-Protein Coupled Receptors (GPCR) signaling events where the receptors are activated by different ligands, such as neurotransmitters, hormones, ions, small molecules, peptides, etc.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes cAMP, not cross react with 5/-AMP, 5'-ADP, 5'-ATP or 3', 5'-cGMP.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: nan
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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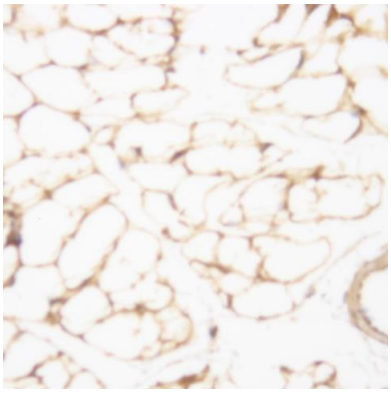
DATA ATTACHMENTS



Immunohistochemistry: Human Lung carcinoma (FFPE) stained with Mouse anti-cAMP (Cat# 500-9534) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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