

# Ethenoadenosine (6A544): sc-71077

## BACKGROUND

Ethenobases are adduct products of exposure to an occupational carcinogen, vinyl chloride. Ethenoadenosine oligophosphates ( $\epsilon$ -ATP,  $\epsilon$ -ADP,  $\epsilon$ -AMP and  $\epsilon$ -Ad) are used as fluorophores and have the same luminous group ( $\epsilon$ -adenine ring) with variously charged phosphate groups. Ethenoadenosine oligophosphates are used to examine chemical mechanisms that are not well understood.  $\epsilon$ -ADP, in particular, is often used to probe skeletal muscle Myosin, since the protein displays two independent and equivalent binding sites for 1,N<sup>6</sup> ethenoadenosine diphosphate.

## REFERENCES

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## SOURCE

Ethenoadenosine (6A544) is a mouse monoclonal antibody raised against Ethenoadenosine.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PRODUCT

Each vial contains 200  $\mu$ g IgG<sub>2a</sub> lambda light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Ethenoadenosine (6A544) is available conjugated to either phycoerythrin (sc-71077 PE) or fluorescein (sc-71077 FITC), 200  $\mu$ g/ml, for IF, IHC(P) and FCM.

## APPLICATIONS

Ethenoadenosine (6A544) is recommended for detection of Ethenoadenosine by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1  $\mu$ g per 1 x 10<sup>6</sup> cells).

Molecular Weight of Ethenoadenosine: 29 kDa.

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG $\lambda$  BP-HRP: sc-516132 or m-IgG $\lambda$  BP-HRP (Cruz Marker): sc-516132-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG $\lambda$  BP-FITC: sc-516185 or m-IgG $\lambda$  BP-PE: sc-516186 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgG $\lambda$  BP-HRP: sc-516132 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.