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Disruption of NAD⁺ binding site in GAPDH affects its intranuclear interactions

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Abstract

AIM: To characterize phosphorylation of human glyceraldehyde 3-phosphate

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Z Dastoor, JL Dreyer - Journal of Cell Science, 2001 - [jcs.biologists.org](#)

... a uracil DNA glycosylase (Meyer-Siegler et al., 1991) and as an Ap4A-**binding** protein (Baxi ...
construct was ligated in frame into pEGFP or pEBFP expression vector at the XmaI restriction
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... Sigma), pH 8.5, in the presence of 3.5 mM DTT, 0.26 mM **NAD** + , and 0.51 ... The mutation may
also **disrupt** a hydrogen-bond **interaction** with Asp 256 by eliminating the positive ... direct **interaction**
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... By definition, the preparation of such samples entail the **disruption** of intracellular
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2015年4月20日 - Abstract Body: Glyceraldehyde 3-phosphate dehydrogenase ... that mutation in NAD⁺-binding center of GAPDH didn't disrupt its nuclear translocation after chemotherapeutic agents, but prevented intranuclear interactions.

Abstract 1131: Disruption of the NAD⁺- binding site affects ...

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作者: E Krynetskiy - 2015

2015年8月1日 - Abstract 1131: Disruption of the NAD⁺- binding site affects GAPDH interactions ... Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) is a pivotal enzyme of ... modulate functions and protein interactions of GAPDH in the cell.... of human GAPDH polypeptide pertinent to its intranuclear functions, and (2) ...

Oxidatively Modified Glyceraldehyde-3-Phosphate ...

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作者: DA Butterfield - 2010 - 被引用次数: 104 - [相关文章](#)

Recently, the oxidoreductase, glyceraldehyde-3-phosphate dehydrogenase ... highly diverse, non-glycolytic functions, as its expression and activity are affected by sites