

Product Datasheet

ATPase Activity Activity Assay Kit (Colorimetric) **NBP2-59733**

Unit Size: 100 Assays

Store at -20C in the dark. Avoid freeze-thaw cycles.

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NBP2-59733

ATPase Activity Activity Assay Kit (Colorimetric)

Product Information

Unit Size	100 Assays
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C in the dark. Avoid freeze-thaw cycles.

Product Description

Description	<p>This kit provides a quick and easy method for monitoring ATPase activity in various samples. This ATPase assay hydrolyzes ATP releasing ADP and a free phosphate ion, and through linked reactions, a strong, stable chromophore is generated. The assay is designed to measure ATPase activity in biological samples with detection sensitivity ~5 mU/l. Detection method: Absorbance at 650 nm.</p> <p>This product is manufactured by Abcam and distributed by Novus Biologicals. (Abcam Catalog Number: ab234055)</p>
Species	Mammal
Specificity/Sensitivity	Rapid assessment of ATPase activity in biological samples or recombinant ATPase preparations.
Kit Components	ATPase Assay Buffer, ATPase Substrate, ATPase Developer, Phosphate Standard (10 mM), ATPase Positive Control

Images

ATPase Activity Activity Assay Kit (Colorimetric) [NBP2-59733]

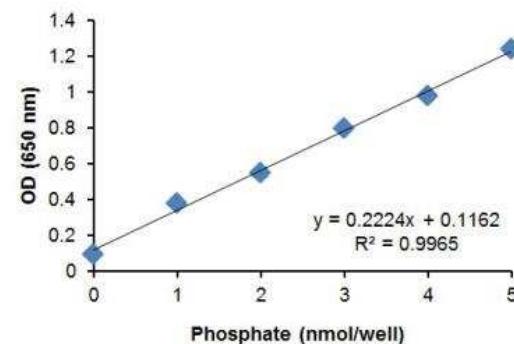


Figure: A) Phosphate Standard Curve.

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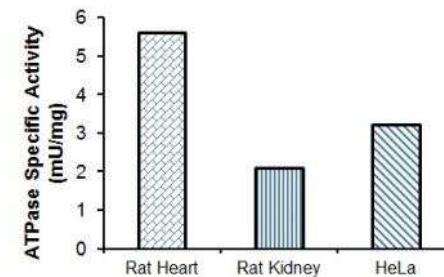


Figure: B) Specific ATPase Activity were calculated in lysates prepared from Rat Heart (35 µg), Rat Kidney (15 µg), and HeLa Cell Lysate (5.4 µg). Assays were performed following kit protocol.

Publications

Yu J, Im H, Lee G Unwinding mechanism of SARS-CoV helicase (nsp13) in the presence of Ca2+, elucidated by biochemical and single-molecular studies *Biochemical and biophysical research communications* 2023-05-18 [PMID: 37235917]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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