abcam

Product datasheet

ENO1 Assay Kit (alpha Enolase, Human) ab117994

6 References 4 Images

Overview

Product name ENO1 Assay Kit (alpha Enolase, Human)

Detection method Colorimetric

Precision

Intra-assay

Sample	n	Mean	SD	CV%
Cell extract	9			9%

Inter-assay

Sample	n	Mean	SD	CV%
Cell extract	4			11%

Sample type Cell culture extracts, Tissue Extracts

Assay type Enzyme activity

Sensitivity 125 ng/ml

Range 125 ng/ml - 2000 ng/ml

Recovery 90 %

Sample specific recovery

Sample type	Average %	Range
Cell culture supernatant	63	% - %
Serum	140	% - %

Species reactivity

Reacts with: Human

Does not react with: Mouse, Rat

Product overview ENO1 Assay Kit (alpha Enolase, Human) ab117994 is used to determine enolase 1 (ENO1) activity in a sample. The native enzyme is immunocaptured within the wells of the microplate; this removes all other enzymes. The enolase activity is determined via a coupled reaction to the consumption of NADH in an assay buffer.

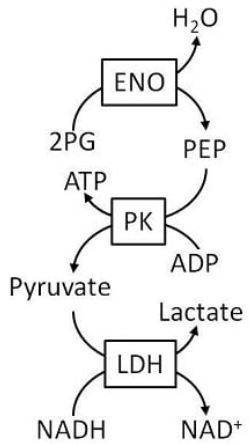
Platform Microplate reader

Properties

Storage instructions Store at +4°C. Please refer to protocols.

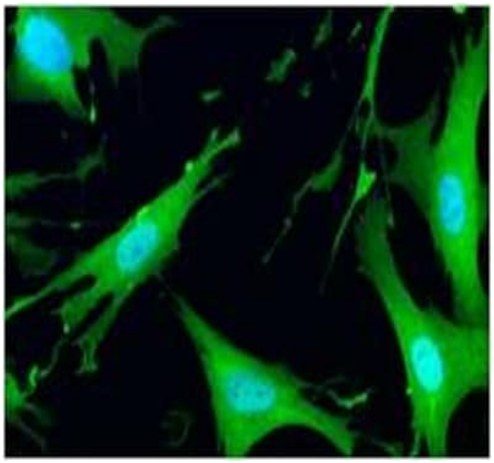
Components	1 x 96 tests
10X Blocking Buffer	1 x 6ml
20X Buffer	1 x 20ml
Base Buffer	1 x 24ml
Extraction Buffer (ab260490)	1 x 15ml
LDH (Lactate Dehydrogenase)	1 x 187.5 units
Microplate 96 antibody coated wells in 12 strips	1 unit
PK (Pyruvate Kinase)	1 x 187.5 units
Reagent Mix	1 x 1ml

Images



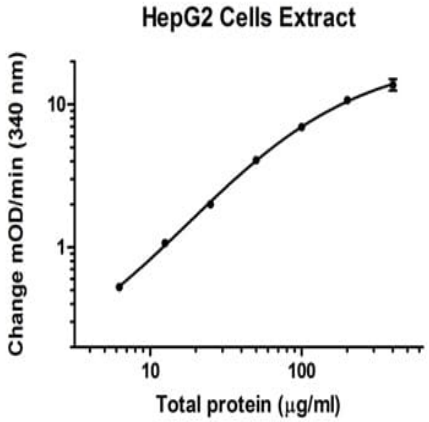
Functional Studies - ENO1 Human Activity Assay Kit (ab117994)

Scheme of reactions used in this kit. Abbreviations are as follows: enolase (ENO), 2-phospho-D-glycerate (2PG), phosphoenolpyruvate (PEP), pyruvate kinase (PK), lactate dehydrogenase (LDH).



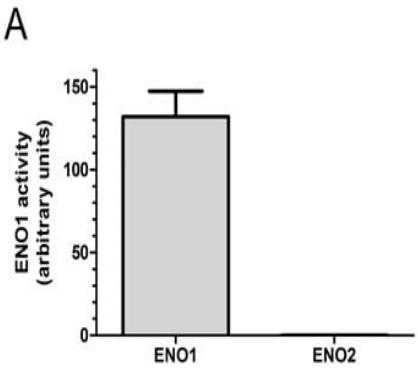
Immunocytochemistry/ Immunofluorescence - ENO1 Human Activity Assay Kit (ab117994)

Immunofluorescent detection of ENO1 in cytosol in HeLa cells using **ab112994**.



Functional Studies - ENO1 Human Activity Assay Kit (ab117994)

Example of dilution series prepared from HepG2 cells extract.



Functional Studies - ENO1 Human Activity Assay Kit (ab117994)

Analysis of recombinant ENO1 (**ab89248**) and the neuron-specific recombinant ENO2 (**ab78797**), each at 2000 ng/mL. The relative ENO activity was determined from HepG2 standard curve as described in the protocol. The data show that the activity of the neuron-specific ENO2 can't be detected.

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