

Datasheet for ABIN1724721

**anti-BDH1 antibody**

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## Overview

Quantity:	100 µL
Target:	BDH1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BDH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Purified recombinant fragment of human BDH1 expressed in E. coli.
Clone:	1A5
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	BDH1
Alternative Name:	BDH1 ( <a href="#">BDH1 Products</a> )
Background:	Description: BDH1 (3-hydroxybutyrate dehydrogenase, type 1), it is a member of the short-chain dehydrogenase/reductase gene family. This protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity. It catalyzes the interconversion of

## Target Details

	acetoacetate and (R)-3-hydroxybutyrate, the two major ketone bodies produced during fatty acid catabolism. Aliases: BDH
Molecular Weight:	38 kDa
Gene ID:	622
HGNC:	622
Pathways:	<a href="#">Response to Growth Hormone Stimulus</a>

## Application Details

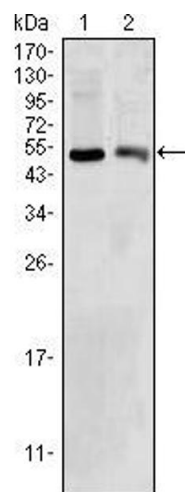
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

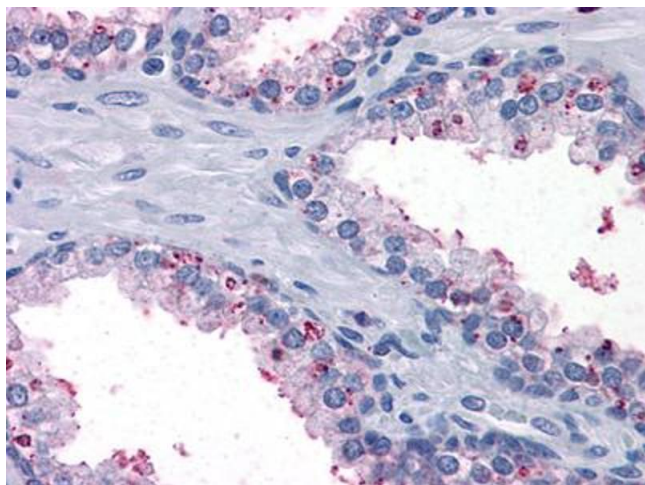
## Publications

Product cited in:	Galati, Magdinier, Colasanti, Bauwens, Pinte, Ricordy, Giraud-Panis, Pusch, Savino, Cacchione, Gilson: "TRF2 controls telomeric nucleosome organization in a cell cycle phase-dependent manner." in: <b>PLoS ONE</b> , Vol. 7, Issue 4, pp. e34386, (2012) ( <a href="#">PubMed</a> ).
	Diehl, Idowu, Kimmelshue, York, Jackson-Cook, Turner, Holt, Elmore: "Elevated TRF2 in advanced breast cancers with short telomeres." in: <b>Breast cancer research and treatment</b> , Vol. 127, Issue 3, pp. 623-30, (2011) ( <a href="#">PubMed</a> ).



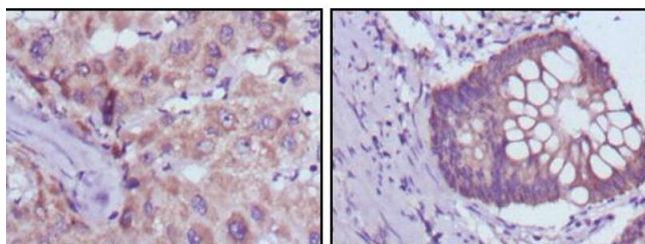
### Western Blotting

**Image 1.** Western blot analysis using BDH1 mouse mAb against HepG2 (1) and NIH/3T3 (2) cell lysate.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded human Prostate tissues using anti-BDH1 mouse mAb



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded human liver cancer (left) and colorectal cancer tissues (right) using BDH1 mouse mAb with DAB staining.