

## Product datasheet

# Hep G2 nuclear extract lysate (acetaldehyde treated) ab14661

### Overview

<b>Product name</b>	Hep G2 nuclear extract lysate (acetaldehyde treated)
<b>General notes</b>	Cell line: HepG2 (Human hepatocellular carcinoma). Cells were cultured in medium supplemented with 200 µM Acetaldehyde for 4 hours at 37°C immediately prior to harvesting. We recommend aliquoting the extracts into single-use fractions and then storing them.
<b>Tested applications</b>	<b>Suitable for:</b> EMSA, WB

### Properties

<b>Mycoplasma free</b>	Yes
<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.90 Constituents: 0.75% Potassium chloride, 0.009% PMSF, 0.01% Magnesium chloride, 0.008% DTT, 0.48% HEPES, 20% Glycerol
<b>Background</b>	Hepatitis B virus (HBV) is the major cause of acute and chronic hepatitis, leading to progressive development of necroinflammatory changes in the liver, which can result in cirrhosis and hepatocellular carcinoma. Although the development of an effective vaccine to prevent HBV infection has shown promising results and should lead to its eventual eradication, antiviral chemotherapy remains the only effective method to prevent the progression of the disease in chronic carriers. Therefore, the development of new antiretroviral agents active against HBV is needed. HepG2 cells have an epithelial morphology and are thought to be a very useful model to study HBV virus replication via transfection. Cells are also used for cancer and apoptosis studies (in particular signalling pathway studies).

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab14661 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
EMSA		Use at an assay dependent dilution.
WB		Use at an assay dependent dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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