

## Product datasheet

### Anti-EBNA2 antibody [R3] ab252828

Recombinant

2 Images

#### Overview

<b>Product name</b>	Anti-EBNA2 antibody [R3]
<b>Description</b>	Rat monoclonal [R3] to EBNA2
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB <b>Unsuitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Raji lysate. IP: Raji cells.
<b>General notes</b>	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a></p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	R3
<b>Isotype</b>	IgG2a

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab252828 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
IP		1/30.
WB		1/1000. Predicted molecular weight: 53 kDa.

### Application notes

Is unsuitable for ICC.

## Target

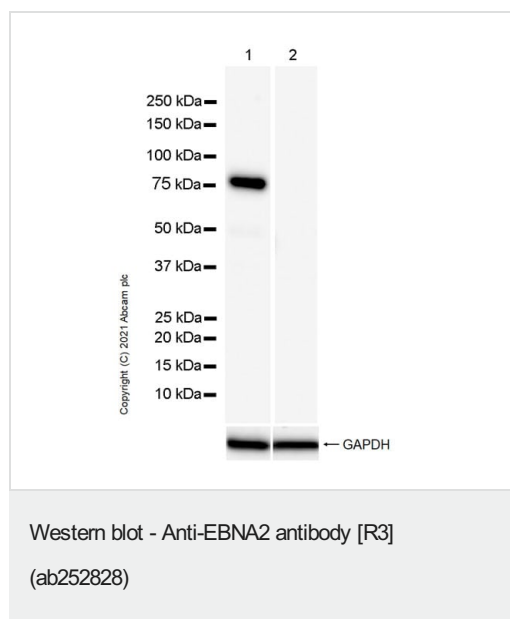
### Relevance

The Epstein-Barr Virus (EBV), also called Human herpesvirus 4 (HHV-4), is a virus of the herpes family and is one of the most common viruses in humans. EBNA2 is one of the few genes of Epstein-Barr virus which are necessary for immortalization of human primary B lymphocytes. The EBNA2 protein acts as a transcriptional activator of several viral and cellular genes.

### Cellular localization

Nuclear matrix of host cells

## Images



**All lanes :** Anti-EBNA2 antibody [R3] (ab252828) at 1/1000 dilution

**Lane 1 :** Raji (human Burkitts lymphoma B lymphocyte), whole cell lysate

**Lane 2 :** HeLa (human epithelial cell line from cervix adenocarcinoma), whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/5000 dilution

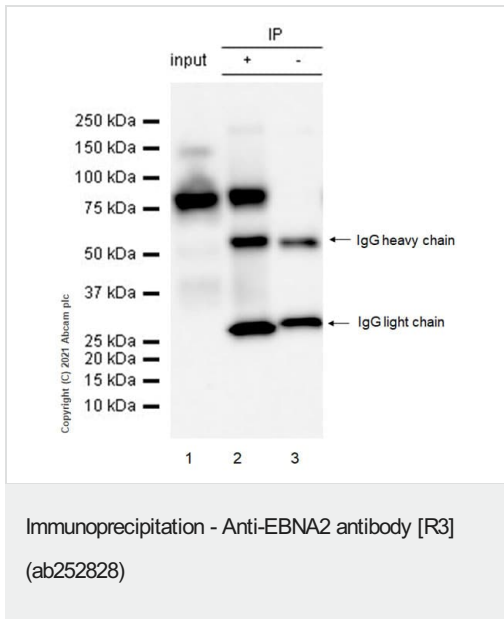
**Predicted band size:** 53 kDa

**Observed band size:** 75 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID:8383171).

Exposure time: 10 seconds



EBNA2 was immunoprecipitated from 0.35 mg Raji (human Burkitt's lymphoma B lymphocyte) whole cell lysate 10ug with ab252828 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab252828 at 1/1000 dilution. Goat Anti-Rat IgG (H+L), HRP (**ab205720**) was used at 1/5000 dilution.

Lane 1: Raji (human Burkitt's lymphoma B lymphocyte) whole cell lysate 10 ug

Lane 2: ab252828 IP in Raji whole cell lysate

Lane 3: Rat monoclonal IgG2a (**ab18450**) instead of ab252828 in Raji whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 seconds

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

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