

## Product datasheet

# Anti-GALE antibody ab81541

1 Image

### Overview

<b>Product name</b>	Anti-GALE antibody
<b>Description</b>	Rabbit polyclonal to GALE
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Guinea pig, Cow, Cat, Dog, Pig
<b>Immunogen</b>	Synthetic peptide corresponding to a region within N terminal amino acids 1-50 (MAEKVLVTGG AGYIGSHTVL ELLEAGYLPV VIDNFHNAFR GGGSLPESLR) of Human GALE (NP_001008217). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human fetal liver lysate.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab81541** in the following tested applications.

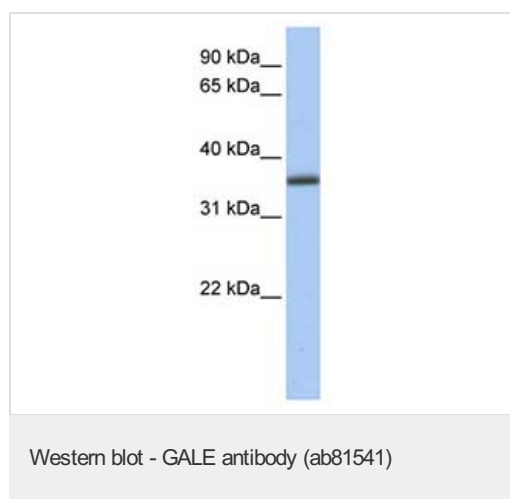
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 38 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## Target

<b>Function</b>	Catalyzes two distinct but analogous reactions: the epimerization of UDP-glucose to UDP-galactose and the epimerization of UDP-N-acetylglucosamine to UDP-N-acetylgalactosamine.
<b>Pathway</b>	Carbohydrate metabolism; galactose metabolism.
<b>Involvement in disease</b>	Defects in GALE are the cause of epimerase-deficiency galactosemia (EDG) [MIM:230350]; also known as galactosemia type 3. Clinical features include early-onset cataracts, liver damage, deafness and mental retardation. There are two clinically distinct forms of EDG. (1) A benign, or 'peripheral' form with no detectable GALE activity in red blood cells and characterized by mild symptoms. Some patients may suffer no symptoms beyond raised levels of galactose-1-phosphate in the blood. (2) A much rarer 'generalized' form with undetectable levels of GALE activity in all tissues and resulting in severe features such as restricted growth and mental development.
<b>Sequence similarities</b>	Belongs to the sugar epimerase family.

## Images



Anti-GALE antibody (ab81541) at 1 µg/ml (in 5% skim milk / PBS buffer) + Human fetal liver lysate at 10 µg

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 38 kDa

**Observed band size:** 36 kDa

Gel concentration: 12%

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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