# Datasheet: VPA00080

**Description:** RABBIT ANTI GALECTIN-1

**Specificity:** GALECTIN-1

**Format:** Purified

**Product Type:** PrecisionAb™ Polyclonal

**Isotype:** Polyclonal IgG

**Quantity:** 100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1/1000</td>
</tr>
</tbody>
</table>

**PrecisionAb antibodies have been extensively validated for the western blot application.** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species.

### Product Form

Purified IgG - liquid

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

### Immunogen

*E.coli* derived recombinant human galectin-1.

### External Database Links

- **UniProt:** P09382 [Related reagents](http://www.bio-rad-antibodies.com/related-reagents)
- **Entrez Gene:** 3956 LGALS1 [Related reagents](http://www.bio-rad-antibodies.com/related-reagents)

### Specificity

**Rabbit anti Human galectin-1 antibody** recognizes human galectin-1 (gal-1) also known lactose-binding lectin 1. Gal-1 is a member of the galectin family of beta-galactoside-binding proteins,
which exhibits both intracellular and extracellular functions and is differentially expressed by a wide range of normal and neoplastic tissues.

Gal-1 has been implicated in several major cellular functions including proliferation, motility, hematopoietic cell differentiation, apoptosis promotion and immunoregulatory effects. The expression of gal-1 by neuronal and glial cells correlates with neuroregeneration following injury, and studies have shown the importance of gal-1 to primary sensory neurons and synaptic connections in the spinal cord, during embryonic development.

Rabbit anti Human galectin-1 antibody detects gal-1 as a single band of 13 kDa in a range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.

<table>
<thead>
<tr>
<th>Western Blotting</th>
<th>Rabbit anti galectin-1 detects a band of approximately 13 kDa in K562 cell lysates.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructions For Use</td>
<td>Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.</td>
</tr>
<tr>
<td>Storage</td>
<td>Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</td>
</tr>
<tr>
<td>Guarantee</td>
<td>As supplied, 12 months from date of despatch.</td>
</tr>
<tr>
<td>Acknowledgements</td>
<td>PrecisionAb™ is a trademark of Bio-Rad Laboratories.</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
</tbody>
</table>

**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Rabbit IgG (H/L) (STAR208...) HRP

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