

## Datasheet: VPA00681

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | RABBIT ANTI MYH         |
| <b>Specificity:</b>  | MYH                     |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | PrecisionAb™ Polyclonal |
| <b>Isotype:</b>      | Polyclonal IgG          |
| <b>Quantity:</b>     | 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).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ■   |    |                | 1/1000             |

**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.

|                                 |                                                                                                                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Human                                                                                                                                                                                   |
| <b>Product Form</b>             | Purified IgG - liquid                                                                                                                                                                   |
| <b>Preparation</b>              | Rabbit polyclonal antibody purified by affinity chromatography                                                                                                                          |
| <b>Buffer Solution</b>          | TRIS buffered glycine                                                                                                                                                                   |
| <b>Preservative Stabilisers</b> | 0.01% Thiomersal<br><50% Glycerol                                                                                                                                                       |
| <b>Immunogen</b>                | Recombinant protein encompassing part of the middle region of human MYH                                                                                                                 |
| <b>External Database Links</b>  | <b>UniProt:</b><br><a href="#">Q9UIF7</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">4595</a> MUTYH <a href="#">Related reagents</a>                    |
| <b>Synonyms</b>                 | MYH                                                                                                                                                                                     |
| <b>Specificity</b>              | <b>Rabbit anti Human MYH antibody</b> recognizes the A/G-specific adenine DNA glycosylase.<br><br>The MUTYH gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The |

enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in MUTYH result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for MUTYH (provided by RefSeq, Jul 2008).

Rabbit anti Human MYH antibody detects a band of 55 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

|                                      |                                                                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Western Blotting</b>              | Rabbit anti MYH detects a band of approximately 55 kDa in K562 cell lysates                                                                                                                                         |
| <b>Instructions For Use</b>          | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.                                       |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.                                                                                                                                                     |
| <b>Shelf Life</b>                    | As supplied, 12 months from date of despatch.                                                                                                                                                                       |
| <b>Acknowledgements</b>              | PrecisionAb™ is a trademark of Bio-Rad Laboratories.                                                                                                                                                                |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #20357 available at:<br>Antibody (20357): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf</a> |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                          |

## Related Products

### Recommended Secondary Antibodies

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

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
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