

## Datasheet: AHP3085

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | RABBIT ANTI MOUSE NANOG |
| <b>Specificity:</b>  | NANOG                   |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | Polyclonal Antibody     |
| <b>Isotype:</b>      | Polyclonal IgG          |
| <b>Quantity:</b>     | 0.1 ml                  |

## 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              | ▪   |    |                | 0.5 µg/ml - 2 µg/ml |
| Immunofluorescence            | ▪   |    |                | 1/200               |
| Chromatin Immunoprecipitation | ▪   |    |                | 5 µl per ChIP       |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Mouse  |
| <b>Species Cross Reactivity</b> | Reacts with: Human<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. |
| <b>Product Form</b>             | Purified IgG - liquid  |
| <b>Antiserum Preparation</b>    | Antiserum to mouse NANOG was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.   |
| <b>Buffer Solution</b>          | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b> | 0.035% Sodium Azide (NaN <sub>3</sub> )<br>30% Glycerol  |

|                                      |  |
|--------------------------------------|--|
| <b>Carrier Free</b>                  | Yes  |
| <b>Immunogen</b>                     | A peptide within the N-terminal region of mouse NANOG  |
| <b>External Database Links</b>       | <p><b>UniProt:</b><br/> <a href="#">Q80Z64</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">71950</a>    Nanog    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                      | Ecat4, Enk   |
| <b>Specificity</b>                   | <p><b>Rabbit anti Mouse NANOG antibody</b> recognizes homeobox protein NANOG, otherwise known as homeobox transcription factor NANOG.</p> <p>NANOG plays a role in the proliferation and self-renewal of embryonic stem (ES) cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages (<a href="#">Barral et al. 2019</a>). Overexpression of NANOG has been shown to promote cells to enter into S phase and proliferation (<a href="#">Sainz de Aja et al. 2019</a>).</p> |
| <b>Storage</b>                       | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                             |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP308510049">https://www.bio-rad-antibodies.com/SDS/AHP308510049</a>   |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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