

## Goat DNP Polyclonal Antibody | anti-DNP antibody

DNP antibody

|                              |                     |                                            |
|------------------------------|---------------------|--------------------------------------------|
| CATALOG #<br><b>AAA75064</b> | HOST<br><b>Goat</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|------------------------------|---------------------|--------------------------------------------|

### PRODUCT SYNONYMS

DNP; Polyclonal Antibody; DNP antibody; Polyclonal DNP; Anti-DNP; Dinitrophenol; anti-DNP antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Host                                          | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                   | Whole serum with 0.01% Thimerosal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                 | 250ul, neat serum (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-DNP antibody | WB (Western Blot), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Biological Significance                       | Tissues are continually exposed to reactive oxygen species (ROS) that are produced in tissues from metabolism processes or the inflammatory response of leukocytes or macrophages. It is estimated that as much as 1% of consumed oxygen may be converted to ROS, which can cause damage to various cellular components. Proteins are one of the cellular components most vulnerable to oxidative damage by ROS, which results in an increase in protein carbonyl content. This oxidative modification of proteins can lead to cross-linking, peptide fragmentation, modified residues and the conversion of one amino group to another. If sufficient protein damage accumulates, cell death will occur. |
| Immunogen                                     | Dinitrophenol-modified goat serum albumin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cross-Reactivity                              | Specific to Dinitrophenol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                       | Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### ADDITIONAL INFORMATION

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|---------------------------------------------------|--------------------------------------------|
| Related Product Information for anti-DNP antibody | Goat polyclonal DNP antibody               |
| Product Categories/Family for anti-DNP antibody   | <a href="#">Nutrition &amp; Metabolism</a> |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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