### beta Actin Polyclonal Antibody

**Catalog Number PA1-46296**

#### Product Data Sheet

<table>
<thead>
<tr>
<th>Details</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>50 µL</td>
</tr>
<tr>
<td>Host / Isotype</td>
<td>Rabbit IgG</td>
</tr>
<tr>
<td>Class</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Type</td>
<td>Antibody</td>
</tr>
</tbody>
</table>

**Immunogen**: Synthetic peptide derived from the N-terminus of Human beta-Actin.

**Conjugate**: Unconjugated

**Form**: Liquid

**Concentration**: 1mg/ml

**Purification**: Antigen affinity chromatography

**Storage Buffer**: tris citrate/tris phosphate, pH 7-8

**Contains**: 0.09% sodium azide

**Storage Conditions**: 4° C, do not freeze

**Size**: Tested species reactivity

- Avian, Fish, Hamster, Human, Mouse, Non-human primate, Porcine, Rabbit, Rat

**Published Species Reactivity**: Not Applicable

**Tested Applications**

- Dilution *
  - ELISA (ELISA) Assay-Dependent
  - Immunocytochemistry (ICC) 2 µg/ml
  - Immunofluorescence (IF) 2 µg/ml
  - Immunohistochemistry (Paraffin) (IHC (P)) 1:100
  - Immunoprecipitation (IP) 1:10-1:500
  - Neutralization (Neu) Assay-Dependent
  - Western Blot (WB) 1:100-1:2000

**Published Applications**

- See 3 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

#### Product Specific Information

This antibody is expected to cross-react with a wide range of species based on sequence homology.

#### Background/Target Information

Beta-actin is one of six different actin isoforms which have been identified. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. Because beta-actin is ubiquitously expressed in all eukaryotic cells, it is frequently used as a loading control for assays involving protein detection, such as Western blotting. Antibodies to beta-actin provide a specific and useful tool in studying the intracellular distribution of beta-actin and the static and dynamic aspects of the cytoskeleton.


---


Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts (“Documentation”). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that the Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS IS LIMITED TO REPAIR, REPLACEMENT OR REFUND OF OR THE NON-CONFORMING PRODUCTS AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DAMAGE OR EVENT OF FORCE MAJURE, AS MASE, FAULT OR NEGLIGENCE OF OR BY BUYER, (II) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (III) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, uncontrolled commercial uses, in vivo diagnostic uses, in vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA