

## Prohibitin Polyclonal Antibody

**CATALOG NO:** 3805-30T 30 µg (Trial size)  
3805-100 100 µg

**Host:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 256 of human Prohibitin (Internal ID# BV-563)

**SPECIES REACTIVITY:** Human, Mouse, Rat

### FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -80°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND DESCRIPTION:

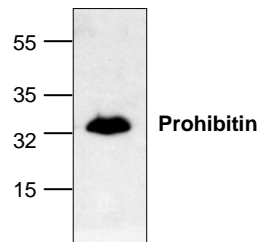
Prohibitin is an evolutionarily conserved protein that has anti-proliferative activity. Prohibitin is a 30 kDa, post-synthetically modified protein found in the inner membrane of mitochondria and on the plasma membrane of B cells. It mediates B cell mutation. Prohibitin Controls cell cycle in both transcriptional and post-translational mechanisms. Prohibitin is a potential tumor suppressor. Prohibitin gene mutations are correlated with the breast cancer development and/or progression in over 80% of the cell lines analyzed.

### SPECIFICITY:

The antibody detects a 33 kDa protein, corresponding to the apparent molecular mass of Prohibitin on SDS-PAGE immunoblots, in samples from human, mouse and rat origins.

### APPLICATION AND USAGE:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researchers feedback, it can also be used in immunoprecipitation (10-20 µg/ml) and Immunofluorescence (5-10 µg/ml). However, the optimal conditions should be determined individually.



**Cat. #: 3805-100**  
Western blot analysis of Prohibitin expression with Jurkat cell lysate.

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies

FOR RESEARCH USE ONLY. Not to be used on humans.