

DATASHEET

Version: 2016-08-17

Prohibitin Antibody, pAb, Rabbit**Cat. No.:** A00706-40**Size:** 40 µg**Synonyms:** Rabbit Anti-Prohibitin pAb;**Description:**

Prohibitin (B-cell receptor-associated protein 32, BAP 32) is an evolutionarily conserved protein located in the inner membrane of mitochondria. Prohibitin appears to be a very reliable marker of mitochondria. Prohibitin shows antiproliferative activity and has been proposed to play a role in normal cell cycle regulation, replicative senescence, cellular immortalization, and tumor suppression. GenScript **Rabbit Anti-Prohibitin Polyclonal Antibody** is produced by immunization of a synthetic peptide derived from mouse prohibitin and highly purified from rabbit antiserum by protein A chromatography.

Immunogen: KLH-coupled Epitope peptide
SRPRNPVITGSKD

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Formulation:**

1 mg/ml in PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

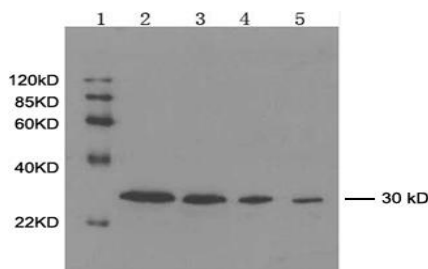
Specificity: Reacts with mouse prohibitin. Sequence homology predicts that it will also react with human and rat prohibitin.

Purification: Protein A chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 2.0 µg/ml**Other applications:** user-optimized**Storage:**

The antibody is stable for 2-3 weeks if stored at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example

Lane 1: Marker

Lane 2: Heart tissue lysate (50 µg)

Lane 3: Heart tissue lysate (25 µg)

Lane 4: Heart tissue lysate (10 µg)

Lane 5: Heart tissue lysate (5 µg)

Primary antibody: 2 µg/ml Rabbit Anti-Prohibitin Polyclonal Antibody (GenScript, A00706)

Secondary antibody: Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098, 1:10,000)