

DATASHEET

Version: 2016-08-17

His-tag Antibody, pAb, Rabbit**Cat. No.:** A00174-40**Size:** 40 µg**Synonyms:** His-tag Antibody, pAb, Rabbit;**Description:**

His-tag Antibody, pAb, Rabbit recognizes His tagged proteins in transfected or transformed cells. Short-sequence epitope tags are common in the study of protein expression in several different expression systems. In particular, the His tag on the expressed recombinant proteins allows for efficient coupling to Ni²⁺ affinity resins and purification by single step chromatography.

Immunogen: His epitope tag peptide HHHHHH conjugated to KLH

Host: Rabbit

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: IgG

Specificity: GenScript **His-tag Antibody, pAb, Rabbit** specifically reacts with fusion proteins containing His epitope tags. For N-terminal His-tagged protein detection, THE™ Anti-His mAb (Cat. No. A00186) is recommended.

Purification: Immunoaffinity 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.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.1-1.0 µg/ml

Western blot using ONE-HOUR Western™ Kit: For quick results, GenScript ONE-HOUR Western™ Kit L00204C is recommended. 10 µg of this antibody is mixed with 10 ml of WB solution for 8 cm x 8 cm membrane.

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

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