

DATASHEET

Version: 2016-08-17

MAT-tag Antibody, pAb, Rabbit**Cat. No.:** A00681-40**Size:** 40 µg**Synonyms:** Rabbit Anti-MAT-tag pAb; Anti-MAT-tag pAb**Description:**

Well-characterized antibodies for epitope tags consisting of short sequences have been widely used in the study of protein expression in various systems.

The MAT tag (Metal Affinity Tag) is a peptide tag that binds to transition metals such as nickel and cobalt. This tag allows the purification of MAT fusion proteins using immobilized metal affinity chromatography. GenScript **Rabbit Anti-MAT-tag polyclonal antibody** is developed in rabbit using a synthetic MAT tag peptide conjugated to KLH.

Rabbit Anti-MAT-tag polyclonal antibody is highly purified from rabbit antiserum by immunoaffinity chromatography.

Immunogen: Synthetic peptide conjugated to KLH**Host:** Rabbit**Conjugation:** Unconjugated**Formulation:**

0.5 mg/ml in PBS, pH 7.4, containing 30% glycerol, and 0.02% sodium azide

Ig Subclass: Rabbit IgG**Specificity:** This Antibody recognizes MAT tagged fusion

proteins.

Purification: Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The chart below may serve as a useful guideline, but secondary antibody affinity, antigen concentration, temperature, incubation time, and the sensitivity of the detection methods can all affect the ideal working concentration. We have not yet determined the suitability of this antibody for other applications. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml**Western blot:** 0.5-2.0 µg/ml**Western blot using the GenScript ONE-HOUR Western™**

Kit: For quick results, we recommend the GenScript ONE-HOUR Western™ Kit (L00204C). 15 µg of this antibody is mixed with 10 ml of WB solution for 8 cm x 8 cm membrane. 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.