

Rev04
Update: Oct,19,2022

DATASHEET

T7-tag Antibody, pAb, Rabbit

Cat. No.: A00622

Overview

Specificity	This Antibody recognizes T7 tagged fusion proteins.
Host Species	Rabbit
Immunogen	T7-tag epitope peptide conjugated to KLH
Conjugate	Unconjugated

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.

Application	Recommended Usage
Western Blot	1-3 µg/ml

Properties

Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.
Storage Instructions	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.
Purification	Affinity chromatography
Isotype	Rabbit IgG
Clonality	Polyclonal

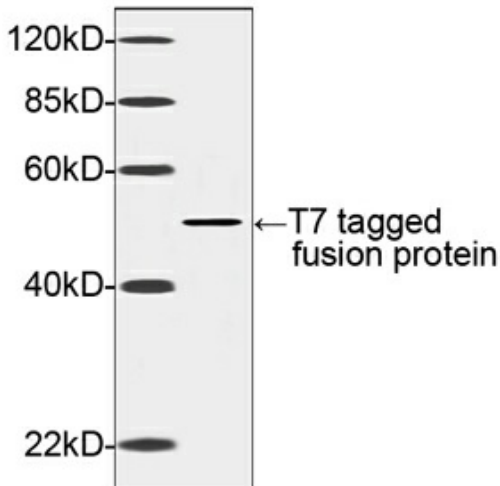
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Clone ID	Not applicable
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Examples



Western blot analysis of T7-tagged fusion protein using T7-tag Antibody, pAb, Rabbit (GenScript, A00622, 2 µg/ml)
The signal was developed with Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098) and LumiSensor™ HRP Substrate Kit (GenScript, L00221)
Predicted Size: 52 kD
Observed Size: 52 kD

Background

Target Background : Well-characterized antibodies with useful epitope tags have been widely used in the study of protein expression in various systems. The T7 tag (MASMTGGQQMG) is a peptide with 11 amino acids encoded in the leader sequence of T7 bacteriophage gene 10. This gene encodes a T7 major capsid protein. The T7 tag serves as a tag in many expression vectors including the pET system that is based on the efficient T7 RNA polymerase expression system. GenScript Rabbit Anti-T7-tag Polyclonal Antibody is developed in rabbit using a synthetic T7-tag epitope peptide conjugated to KLH.

Synonyms : Rabbit Anti-T7-tag pAb;

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.