

His-tag Antibody, pAb, Rabbit

Cat. No.: A00174

Overview

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.
Host Species	Rabbit
Immunogen	His epitope tag peptide HHHHHH 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.

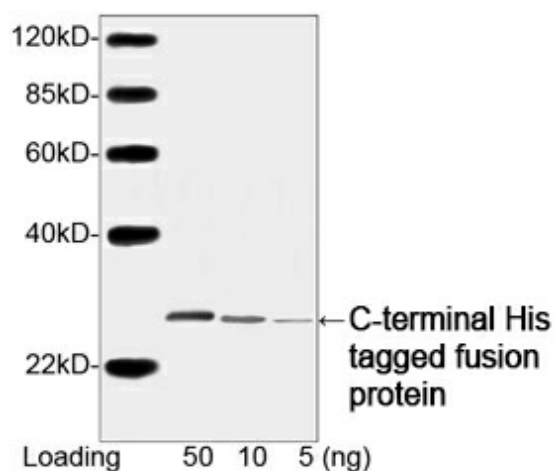
Application	Recommended Usage
ELISA	0.05-0.2 µg/ml
Western Blot	0.1-1.0 µg/ml
Western Blot	1:100-1:1,000

Properties

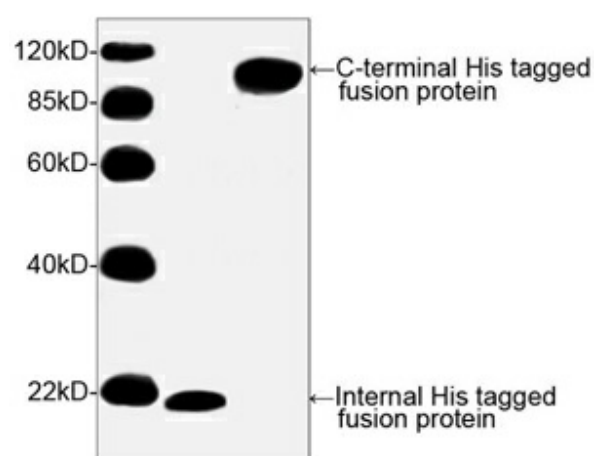
Form	Lyophilized
Storage Buffer	Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.
Storage Instructions	The lyophilized product remains stable for 1 year at -20°C from the date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8°C or for 12 months at -20°C or below. Avoid repeated freezing and thawing cycles.
Purification	Affinity chromatography

Isotype	Rabbit IgG
Clonality	Polyclonal
Clone ID	Not applicable

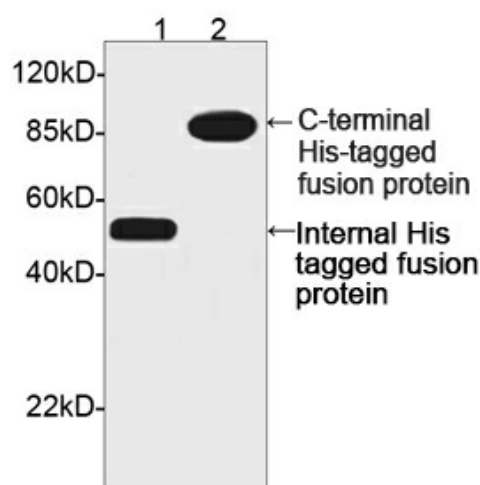
Examples



Western blot analysis of His-tagged fusion protein using His-tag Antibody, pAb, Rabbit (GenScript, A00174, 1 µg/ml). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 30KD, Observed Size: 30KD.



Western blot analysis of His-tagged fusion proteins using His-tag Antibody, pAb, Rabbit (GenScript, A00174, 1 µg/ml). The signal was developed with Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098, 1:20,000) and LumiSensor™ HRP Substrate Kit (GenScript, L00221). Predicted Size: Internal His-tagged fusion protein 20 kD, C-terminal His-tagged fusion protein 91 kD. Observed Size: Internal His-tagged fusion protein 20 kD, C-terminal His-tagged fusion protein 91 kD.



Western blot analysis of His-tagged fusion proteins using His-tag Antibody, pAb, Rabbit (GenScript, A00174, 1 µg/ml). The signal was developed with One-Step Western™ Basic Kit (GenScript, L00204).

Predicted Size:

Lane 1: Internal His-tagged fusion protein 52 kD
Lane 2: C-terminal His-tagged fusion protein 91 kD

Observed Size:

Lane 1: Internal His-tagged fusion protein 52 kD
Lane 2: C-terminal His-tag fusion protein 91 kD

Background

Target Background : 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.

Synonyms : His-tag Antibody, pAb, Rabbit;

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

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