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# His-tag antibody

Catalog Number: ATGA0544

## **PRODUCT INFORMATION**

## Catalog number

ATGA0544

#### Clone No.

AT1D6

## **Product type**

Monoclonal antibody

#### UnitProt No.

N/A

#### **NCBI Accession No.**

#### **Alternative Names**

6 His epitope tag antibody, Hexa His tag antibody, HHHHHHH epitope tag antibody, HHHHHHH tag antibody, His tag antibody, Polyhistidine Tag antibody

## **PRODUCT SPECIFICATION**

## **Antibody Host**

Mouse

#### Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

#### **Immunogen**

6x His synthetic peptide

#### Isotype

IgG1 kappa

#### **Purification Note**

By protein-A affinity chromatography

## **Application**

ELISA, WB

## Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

#### Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



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## **His-tag antibody**

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## **BACKGROUND**

## **Description**

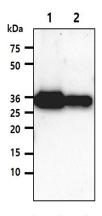
A polyhistidine-tag is an amino acid motif in proteins that consists of at least six histidine (His) residues, often at the N- or C-terminus of the protein. It is also known as hexa histidine-tag, 6xHis-tag, His6 tag and by the trademarked name His-tag.

#### **General References**

O Hare, Simura, Gibson; et al. (2006). Biomolecular Methods. 38 (22): 873-885. Li Y et al. from the Mariana Trench. Mar Drugs 17:N/A (2019). Andersen, Kasper R.; Leksa, Nina C.; Schwartz, Thomas U. (2013).

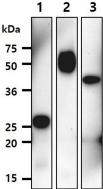
## **DATA**

## Western blot analysis (WB)



The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-His tag antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1: OTUB2-His tag Transfected 293T cell lysate Lane 2: GAD-His tag Transfected 293T cell lysate



The recombinant protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-His tag antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1: Recombinant human TREM1-His tag protein Lane 2: Recombinant human CD34-His tag protein Lane 3: Recombinant human ATG3-His tag protein

