

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, HHHHHH epitope tag antibody, HHHHHH 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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BACKGROUND

Description

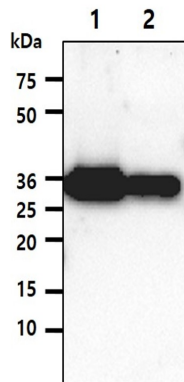
A polyhistidine-tag is an amino acid motif in proteins that consists of at least six histidine (His) residues, often at the N- or C-terminus of the protein. It is also known as hexa histidine-tag, 6xHis-tag, His6 tag and by the trademarked name His-tag.

General References

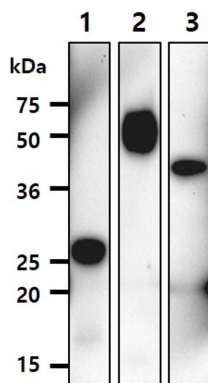
- O Hare, Simura, Gibson; et al. (2006). *Biomolecular Methods*. 38 (22): 873-885.
- Li Y et al. from the Mariana Trench. *Mar Drugs* 17:N/A (2019).
- Andersen, Kasper R.; Leksa, Nina C.; Schwartz, Thomas U. (2013).

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