Datasheet for ABIN387699

# anti-His Tag antibody

3 Images | 30 Publications

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## Overview

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| Quantity: | 100 µg |
| Target: | His Tag |
| Reactivity: | Please inquire |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This His Tag antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF), Flow Cytometry (FACS) |

## Product Details

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| Immunogen: | A synthetic peptide HHHHHH coupled - KLH |
| Sequence: | HHHHHH |
| Clone: | 6G2A9 |
| Isotype: | IgG |
| Specificity: | THE™His Tag Antibody, mAb, Mouse recognizes C-terminal, N-terminal, and internal His tagged fusion proteins. |
| Characteristics: | Anti-His mAb is produced from mice ascites and purified by protein A affinity column. This antibody recognizes native as well as denatured forms of synthetic polyhistidine and polyhistidine-tagged fusion proteins. The product reacts with fusion proteins expressed in bacteria, insect cells, and mammalian cells. Anti-His mAb recognizes His tags placed at N-terminal, C-terminal, and internal regions of fusion proteins. Anti-His mAb can be used in |

## Product Details

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| | Western blot analyses, Dot blot analyses, ELISA, immunofluorescent staining, and flow cytometry of cultured cells. |
| Purification: | Protein A affinity column |

## Target Details

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| Target: | His Tag |
| Abstract: | His Tag Products |
| Target Type: | Tag |
| Background: | Monoclonal antibodies specific to six histidine tags can greatly improve the effectiveness of several different kinds of immunoassays, helping researchers identify, detect, and purify polyhistidine fusion proteins in bacteria, insect cells, and mammalian cells. However, since 6XHis-tag is poorly immunogenic, it needs to be conjugated to KLH or some other carrier as an immunogen. After hundreds of selection cycles, researchers at successfully isolated an antibody against His-tag. Anti-His mAb (subtype IgG1) has very high affinity. Tests performed at show that the antibody can also recognize 4xHis- and 5xHis-tags. This means that even if the 6xHis-tag is only partially exposed, it will still be recognized and bound by this antibody. |

## Application Details

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| Application Notes: | 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.<br>ELISA: 0.05-0.2 µg/mL<br>Western blot: 0.1-0.2 µg/mL<br>Immunoprecipitation (IP): 1 µg/mL<br>Immunofluorescent staining: 1 µg/mL<br>Flow cytometry: 1 µg/mL<br>Other applications: user-optimized |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Buffer: | PBS, pH 7.4, containing 0.02 % Sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing. |
| Handling Advice: | Avoid repeated freezing and thawing cycles. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | 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. |

## Publications

| | |
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| Product cited in: | Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: **BMC complementary and alternative medicine**, Vol. 16, Issue 1, pp. 286, (2017) (PubMed).<br><br>Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2? synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) (PubMed).<br><br>There are more publications referencing this product on: Product page |

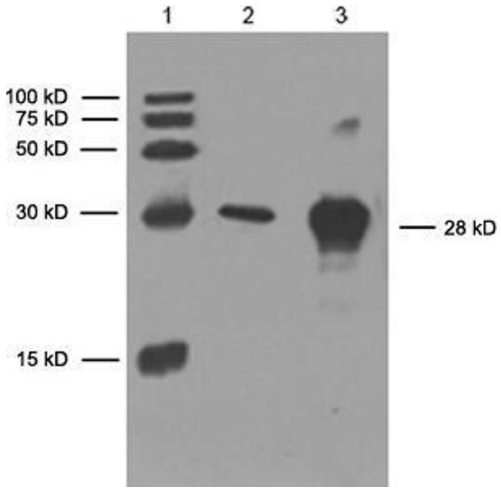
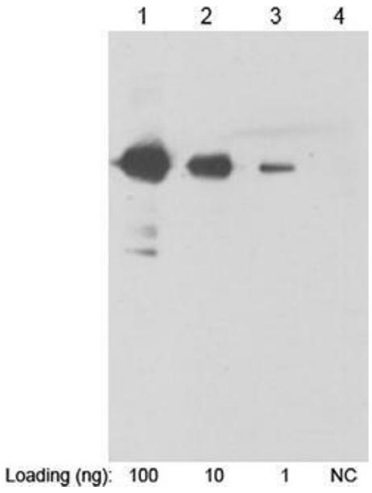



**Image 1.** Lane 1: 6x His Protein Ladder. Lane 2: N-terminal His-fusion proteinLane 3: C-terminal His-fusion proteinPrimary antibody: 1 µg/mL Anti-His Monoclonal Antibody (ABIN387699) Secondary Antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (ABIN398387, 1: 10,000)




## Western Blotting

**Image 2.** Lane 1-3: Multiple Tag Cell Lysate (ABIN1536505) Lane 4: Negative controlPrimary Antibody: 1 µg/mL Anti-His Monoclonal Antibody (ABIN387699) Secondary Antibody: Goat Anti-Mouse IgG (H&L) [HRP] Polyclonal Antibody (ABIN398387, 1: 10,000)

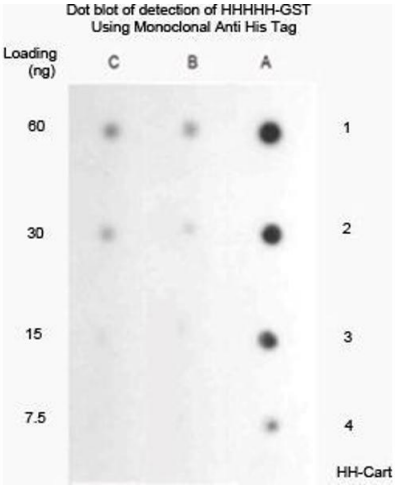



**Image 3.** A. Antibodies-Online (ABIN387699) B. Company Q#1C. Company Q#2Note: Whole cell lysate containing HHHHH-GST was spotted for Dot blot.