

Mouse anti-All His-Tag Monoclonal Antibody

His-Tag (2A8) mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62297	Mouse	All	ELISA, Immunoprecipitation, Immunofluorescence, Western Blot

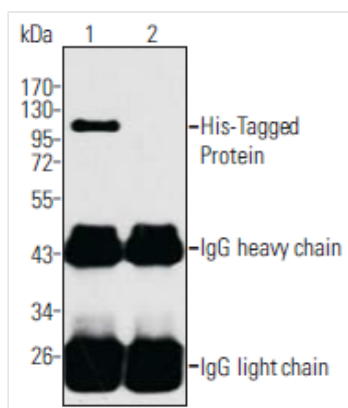
PRODUCT SYNONYMS

His-Tag; Monoclonal Antibody; His-Tag (2A8) mAb; anti-His-Tag antibody

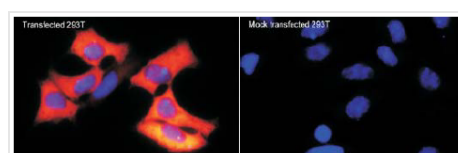
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	All
Clonality	Monoclonal
Isotype	IgG1
Specificity	His-Tag (2A8) Mouse mAb detects over-expressed or recombinant proteins containing the 6x His epitope tag.
Applicable Applications for anti-His-Tag antibody	ELISA, IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a 6xHis synthetic peptide (KLH-coupled).
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

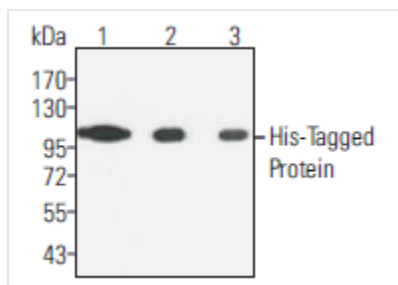
IMAGES



IP (Immunoprecipitation)



IF (Immunofluorescence)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-His-Tag antibody	Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors are frequently used to encode hybrid fusion proteins consisting of a eukaryotic target protein and a specialized region designed to aid in the purification and visualization of the target protein. A system that has proven to be very successful relies on the insertion of a six histidine (His6) sequence in the N-terminus of the encoded protein, allowing for efficient coupling to Ni²⁺-chelating resins and purification by single step affinity chromatography. This polyhistidine sequence can then be removed by specific cleavage at sites recognized by enzymes such as thrombin or enterokinase, permitting the separation of the target protein from the polyhistidine tag. Visualization of such fusion proteins can be achieved by utilizing antibodies generated against specific peptide sequences downstream from the multiple cloning site.
Product Categories/Family for anti-His-Tag antibody	Tag
References	1. O-GlcNAcylation of SIRT1 enhances its deacetylase activity and promotes cytoprotection under stress. <i>Nat Commun.</i> 2017 Nov 14; 8(1):14912. Oligomerization-primed coiled-coil domain interaction with Ubc13 confers processivity to TRAF6 ubiquitin ligase activity. <i>Nat Commun.</i> 2017 Oct 9; 8(1):8143. Phosphorylation of SPT5 by CDKD; 2 Is Required for VIP5 Recruitment and Normal Flowering in <i>Arabidopsis thaliana</i>. <i>Plant Cell.</i> 2017 Feb; 29(2):277-291.4. Ubiquitylation of MFHAS1 by the ubiquitin ligase praja2 promotes M1 macrophage polarization by activating JNK and p38 pathways. <i>Cell Death Dis.</i> 2017 May 4; 8(5):e2763.5. Red blood cells release microparticles containing human argonaute 2 and miRNAs to target genes of <i>Plasmodium falciparum</i>. <i>Emerg Microbes Infect.</i> 2017 Aug 23; 6(8):e756. Transmembrane domain is crucial to the subcellular localization and function of Myc target 1. <i>J Cell Mol Med.</i> 2016 Mar; 20(3):471-81.7. Crystal structure of Gib2, a signal-transducing protein scaffold associated with ribosomes in <i>Cryptococcus neoformans</i>. <i>Sci Rep.</i> 2015 Mar 3; 5:8688.8. C-terminal domain of leucyl-tRNA synthetase from pathogenic <i>Candida albicans</i> recognizes both tRNA^{Ser} and tRNA^{Leu}. <i>J Biol Chem.</i> 2016 Feb 12; 291(7):3613-259. The EZH1 -SUZ12 complex positively regulates the transcription of NF-kappaB target genes through interaction with UXT. <i>J Cell Sci</i> 2016 129: 2343-2353.10. MoDnm1 Dynamin Mediating Peroxisomal and Mitochondrial Fission in Complex with MoFis1 and MoMdv1 Is Important for Development of Functional Appressorium in <i>Magnaporthe oryzae</i>. <i>PLoS Pathog.</i> 2016 Aug 24; 12(8):e1005823.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/his-tag-antibody-immunoprecipitation-immunofluorescence-western-blot-elisa/62297>