

Mouse anti His-Tag mAb

Catalog No.: AE003

246 Publications

Basic Information

Observed MW

35 kDa (Snail transfected)/58 kDa (CYP1A2 transfected)

Calculated MW

Category

Tag antibody

Applications

WB,IP,IF/ICC,ELISA

Cross-Reactivity

Species independent

CloneNo number

AMC0149

Background

Consecutive histidine residues (usually 6 to 10 in length) are often inserted into the amino acid sequences of recombinant proteins. The resulting His-tagged proteins can be detected by using His antibodies.

Recommended Dilutions

WB 1:10000 - 1:50000

IP 0.5 µg -4 µg antibody for
200 µg - 400 µg extracts
of whole cells

IF/ICC 1:5000-1:10000

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

His;His tag;His-tag

Contact

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Product Information

Source

Mouse

Isotype

IgG1

Purification

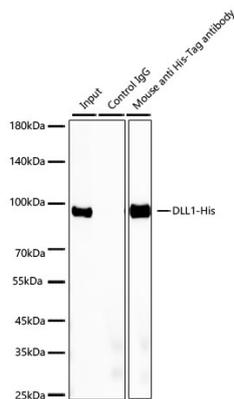
Affinity purification

Storage

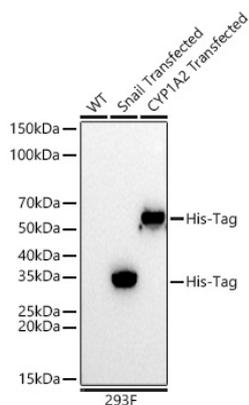
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

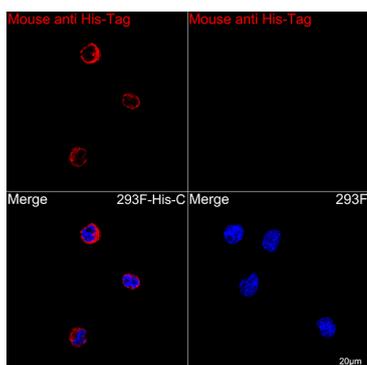
Validation Data



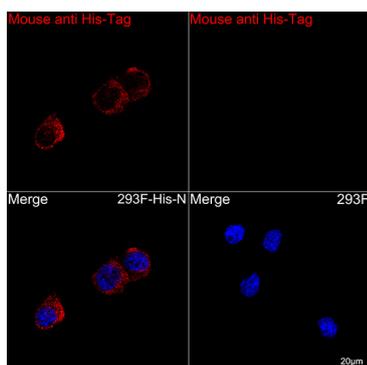
Immunoprecipitation of DLL1-His from 300 µg extracts of 293F cells transfected with a DLL1 expression vector containing a single N-terminal His-Tag was performed using 1 µg of Mouse anti His-Tag mAb (AE003). Mouse IgG isotype control (AC011) was used to precipitate the Control IgG sample. The IP sample was eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Rabbit anti His-tag mAb (AE086) at a dilution of 1:10000.



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with His-Tag using Mouse anti His-Tag mAb (AE003) at 1:30000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 20 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 s.



Confocal imaging of 293F cells transfected with His-C using Mouse anti His-Tag mAb (AE003, dilution 1:10000) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of 293F cells transfected with His-N using Mouse anti His-Tag mAb (AE003, dilution 1:10000) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.