AE105

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HA-Tag Rabbit mAb

Catalog No.: AE105 Recombinant 12 Publications

Basic Information

Observed MW
65kDa/40kDa

Calculated MW

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IF/ICC,IP,ELISA

Cross-Reactivity
Species independent

CloneNo number
ARC59578

Background

Protein tags are peptide sequences genetically grafted onto a recombinant protein. Often these tags are removable by chemical agents or by enzymatic means, such as proteolysis or intein splicing. Tags are attached to proteins for various purposes.Epitope tags are short peptide sequences which are chosen because high-affinity antibodies can be reliably produced in many different species. These are usually derived from viral genes, which explain their high immunoreactivity. Epitope tags include V5-tag, Myc-tag, HA-tag and NE-tag. These tags are particularly useful for western blotting, immunofluorescence and immunoprecipitation experiments, although they also find use in antibody purification.

Recommended Dilutions

WB	1:10000 - 1:60000
IF/ICC	1:50 - 1:200
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
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
HA; HA tag; HA-tag; HA-Tag

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

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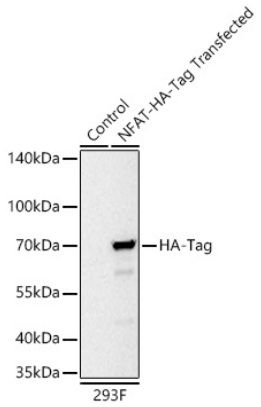
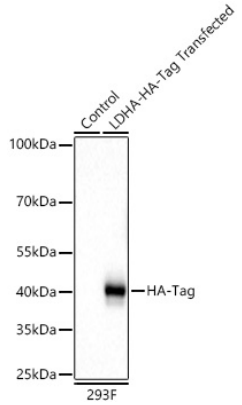
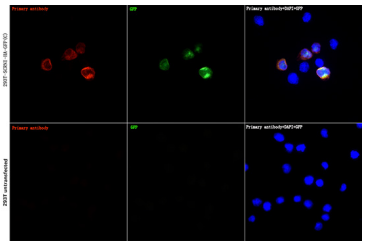
Validation Data



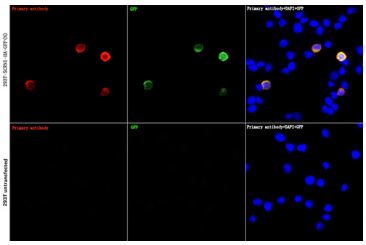
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with NFAT-HA-Tag using HA-Tag Rabbit mAb (AE105) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 20 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
.Exposure time: 10s.



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with LDHA-HA-Tag using HA-Tag Rabbit mAb (AE105) at 1:40000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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: 10s.

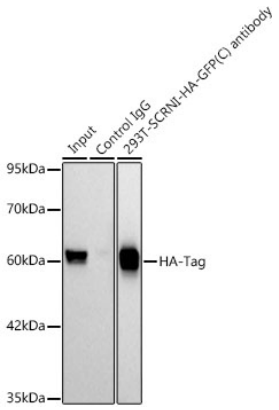


Immunofluorescence analysis of 293T-SCRNI-HA-GFP(C) and 293T cells using HA-Tag Rabbit mAb (AE105) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of 293T-SCRNI-HA-GFP(N) and 293T cells using HA-Tag Rabbit mAb (AE105) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunoprecipitation analysis of 300 μg extracts of 293T-SCRN1-HA-GFP-N cells using 3 μg HA-Tag Rabbit mAb (AE105). Western blot was performed from the immunoprecipitate using HA-Tag Rabbit mAb (AE105) at a dilition of 1:6000.