AE010

Leader in Biomolecular Solutions for Life Science

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Mouse anti Myc-Tag mAb

Catalog No.: AE010 **95 Publications**

Basic Information

Observed MW
50-70kDa/58kDa

Calculated MW

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IP,ELISA,IF

Cross-Reactivity
Species independent

CloneNo number
AMC0504

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	1:2000 - 1:6000
IF	1:1000-1:5000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

Immunogen Information

Gene ID

Swiss Prot

Immunogen
A synthetic peptide corresponding to Myc tag.

Synonyms
Myc;Myc tag;Myc-tag

Contact

www.abclonal.com

Product Information

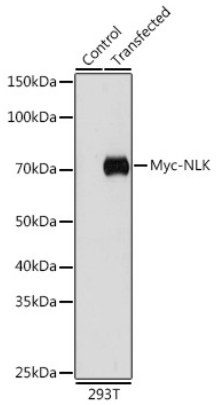
Source
Mouse

Isotype
IgG1

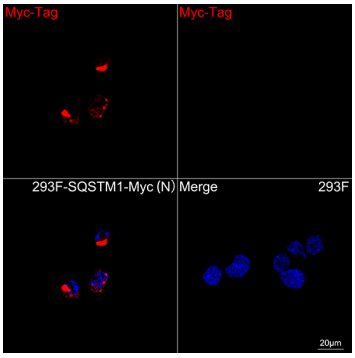
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

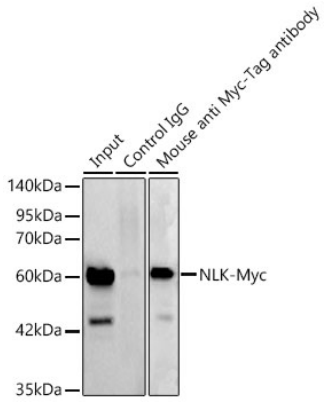
Validation Data



Western blot analysis of extracts of normal 293T cells and 293T transfected with Myc-NLK protein,using Mouse anti Myc-Tag mAb (AE010) at 1:5000 dilution.
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Confocal imaging of 293F cells transfected with SQSTM1-Myc(N) cells using Mouse anti Myc-Tag mAb (AE010, dilution 1:2000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation of NLK-Myc from 300 µg extracts of 293F cells transfected with a NLK expression vector containing a single C-terminal Myc-Tag was performed using 3 µg of Mouse anti Myc-Tag mAb (AE010). Mouse IgG isotype control (AC011) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10 % of the total input. Western blot analysis of immunoprecipitates was conducted using Mouse anti Myc-Tag mAb (AE102) at a dilution of 1:3000.