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Mouse anti Myc-Tag mAb

Catalog No.: AE010 **134 Publications**

Basic Information

Observed MW
62kDa,60kDa

Calculated MW

Category
Tag antibody

Applications
WB,IF,IP,ELISA

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 - 1:10000
IF	1:1000-1:5000
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
Myc;Myc tag;Myc-tag

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

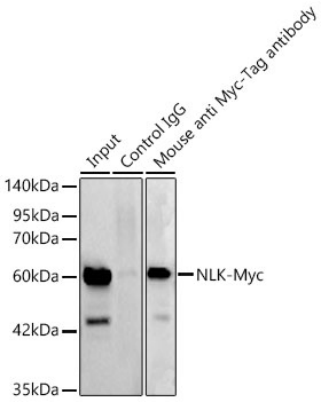
Source
Mouse

Isotype
IgG1

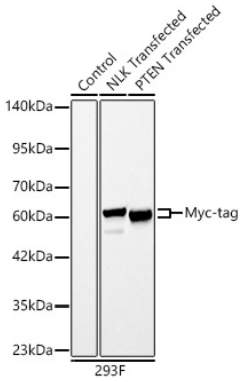
Purification
Affinity purification

Storage
Store at -20℃. 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.

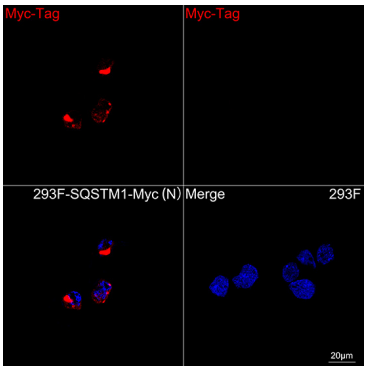
Validation Data



Immunoprecipitation of 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.



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with NLK-Myc (C-terminal) or PTEN-Myc (C-terminal) using Mouse anti Myc-Tag mAb (AE010) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
.Exposure time: 30s.



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-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.