Rabbit anti mCherry-Tag mAb

Catalog NO.: AE127 **3 Publications**

Basic Information

Observed MW
33kDa/55kDa

Calculated MW

Category
Tag Antibodies

Applications
WB, IP, ELISA

Cross-Reactivity
Species independent

Conjugation
Unconjugated

Clone number
ARC64952

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 - 1:40000

IP
0.5μg-4μg antibody for 200μg-600μg 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
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
mCherry; mCherry tag; mCherry-tag

Contact

Product Information

order@abclonal.com
service@abclonal.com
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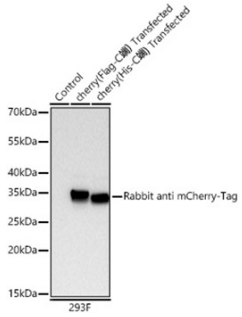
Source
Rabbit

Isotype
IgG

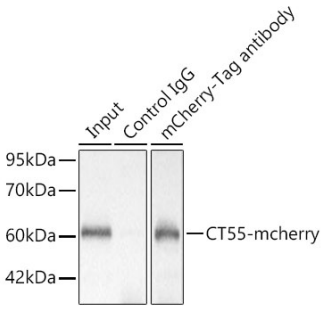
Purification
Affinity purification

Storage
Store at -20°C. 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.

Validation Data



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with mCherry using Rabbit anti mCherry-Tag mAb (AE127) at 1:20000 dilution incubated overnight at 4°C.
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: 45s.



Immunoprecipitation of CT55-mCherry from 300 µg extracts of 293F cells transfected with a CT55 expression vector containing a single C-terminal mCherry-Tag was performed using 3 µg of Rabbit anti mCherry-Tag mAb (AE127). Rabbit IgG isotype control (AC042) 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 Rabbit anti mCherry-Tag mAb (AE127) at a dilution of 1:6000.

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