ARG66332
anti-DDDDK tag antibody [SQab1880]

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab1880] recognizes DDDDK tag (Equivalent to Sigma's anti-FLAG antibodies). The antibody recognizes the hydrophilic epitope tagging peptide sequence DDDDK (Asp-Asp-Asp-Asp-Lys), when fused to either the amino- or carboxyl- terminus or at an internal site on target proteins.
Tested Reactivity	Other
Tested Application	FACS, ICC/IF, IP, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab1880
Isotype	IgG
Target Name	DDDDK tag
Species	Others
Immunogen	KLH-conjugated DYKDDDDK.
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
FACS	1:1000 - 1:2000
ICC/IF	1:1500 - 1:10000
IP	1:50
WB	1:10000 - 1:20000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

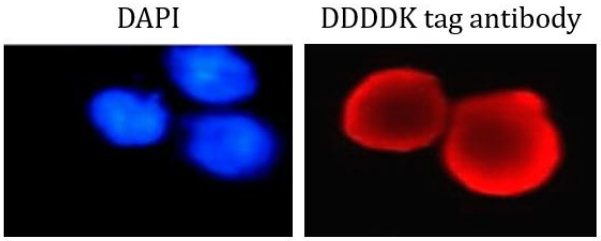
Research Area	Controls and Markers antibody; Tag Internal Control antibody

Images

ARG66332 anti-DDDDK tag antibody [SQab1880] WB image

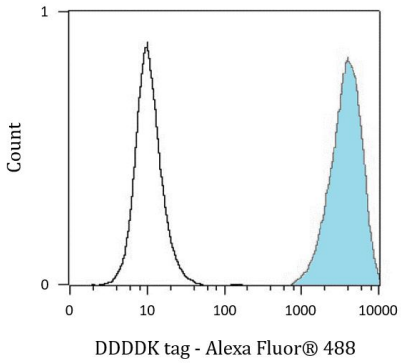
Western blot: 293T stained with ARG66332 anti-DDDDK tag antibody [SQab1880].

From Huai-Chia Chuang et al. J Autoimmun. (2024), doi: 10.1016/j.jaut.2024.103221, Fig. 4. D.



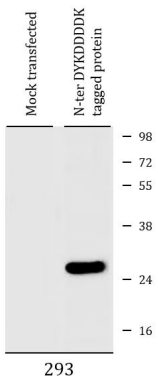
ARG66332 anti-DDDDK tag antibody [SQab1880] ICC/IF image

Immunofluorescence: 293 cells trasnfected with C-terminal DYKDDDDK tagged gene. Cells were fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% goat serum for 30 min at RT. Cells were stained with DAPI (left) or ARG66332 anti-DDDDK tag antibody [SQab1880] at 1:10000 and 4°C (right).



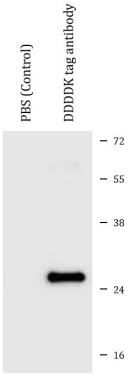
ARG66332 anti-DDDDK tag antibody [SQab1880] FACS image

Flow Cytometry: 293 cells transfected with N-terminal DYKDDDDK tagged gene. The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were stained with ARG66332 anti-DDDDK tag antibody [SQab1880] (light blue histogram) at 1:2000 dilution in 1x PBS/1% BSA for 30 min at RT, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (white histogram) was used as a control.



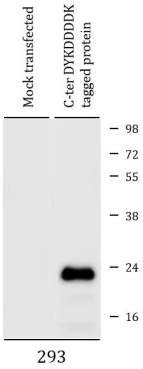
ARG66332 anti-DDDDK tag antibody [SQab1880] WB image

Western blot: Testing of ARG66332 anti-DDDDK tag antibody [SQab1880]. 3 µg of 293 cell lysate without any transfection (ARG66332 at 1:2000, left) or transfected with N-terminal DYKDDDDK tagged gene (ARG66332 at 1:10000, right).



ARG66332 anti-DDDDK tag antibody [SQab1880] IP image

Immunoprecipitation: 0.1 mg of 293 whole cells lysate transfected with N-terminal His tagged gene immunoprecipitated (1:50) and stained with ARG66332 anti-DDDDK tag antibody [SQab1880]. 1) PBS (Control) and 2) Primary antibody.



ARG66332 anti-DDDDK tag antibody [SQab1880] WB image

Western blot: Testing of ARG66332 anti-DDDDK tag antibody [SQab1880]. 3 µg of 293 cell lysate without any transfection (ARG66332 at 1:2000, left) or transfected with C-terminal DYKDDDDK tagged gene (ARG66332 at 1:100000, right).