

DATASHEET

DYKDDDDK tag Rabbit Monoclonal Antibody

CAT. NO. ARA6584

KEY FEATURES

Target	DYKDDDDK tag	Source / Host	Rabbit
Reactivity	All	Clonality	Monoclonal
Applications	WB, IF/ICC, FC, IP	Conjugation	Unconjugated
Form / Buffer	PBS (pH7.4), 0.1% BSA, 0.01% Sodium Azide, 40% Glycerol.	Storage	-20°C

BACKGROUND

Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques. Because of their small size, they are unlikely to affect the tagged protein's biochemical properties. The DYKDDDDK peptide has been used extensively as a general epitope tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an N-terminal or C-terminal fusion.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:10000 - 1:20000
IF/ICC	1:2000 - 1:10000
FC	1:800 - 1:2000
IP	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant rabbit monoclonal antibody to DYKDDDDK tag
Specificity	Recognizes DYKDDDDK-tagged fusion proteins.
Antibody Type	Primary antibody, Recombinant
Clone Type	Recombinant Monoclonal
Immunogen	Synthetic peptide: DYKDDDDK conjugated to KLH.
Purity	Extra affinity purified.
Predicted Molecular Weight	Depending on customers' target of interest.
Form/Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Species Cross-reactivity	Species independent.

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

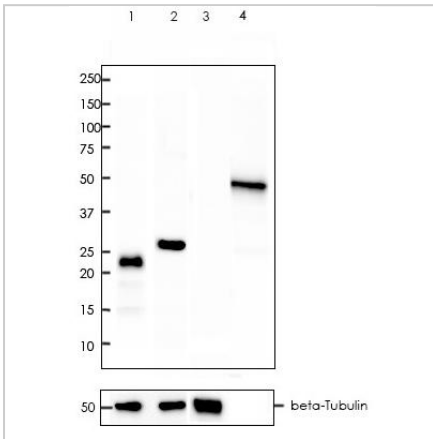
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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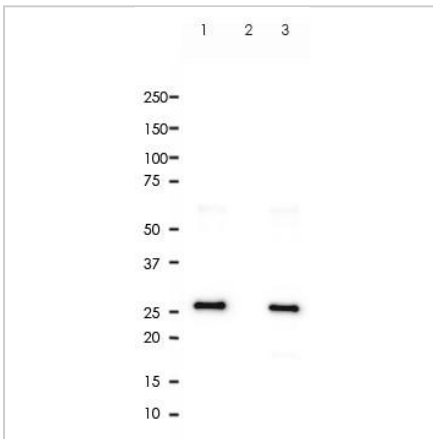
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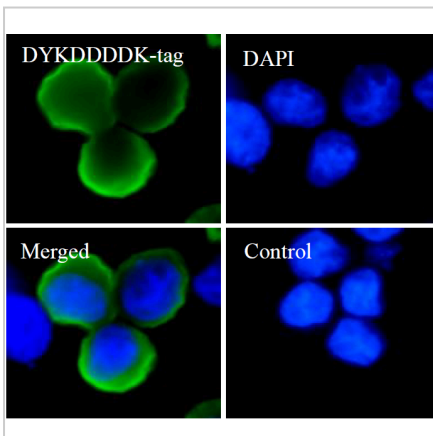
DATA



Western blot analysis of HEK293 cell lysate (A, untransfected; B, transfected with DYKDDDDK-tagged protein) using ARA6584 at 1:1000 dilution, detected with HRP Goat Anti-Rabbit IgG (H+L).



Immunofluorescence analysis of DYKDDDDK-tagged protein expression in HEK293 transfected cells using ARA6584 at 1:100 dilution (Green). Nuclei were counterstained with DAPI (Blue).



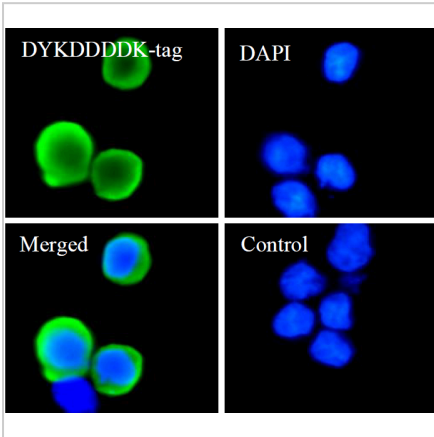
Western blot analysis of COS-7 cell lysate (untransfected) with ARA6584 at 1:500 dilution.

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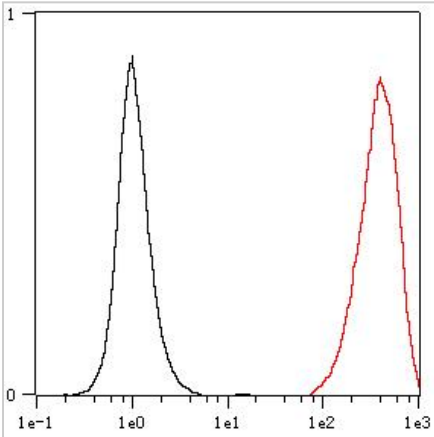
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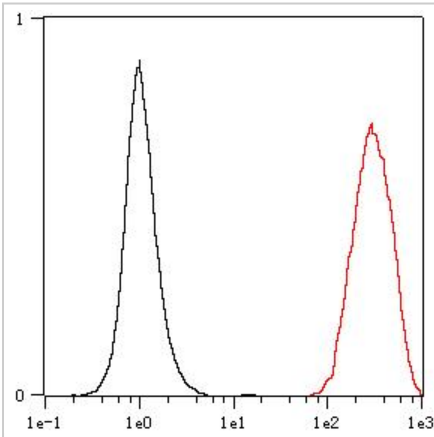
DATA (CONTINUED)



Immunofluorescence analysis of COS-7 cells (untransfected) using ARA6584 at 1:100 dilution.



Western blot analysis of various cell lysates using ARA6584 at 1:500 dilution.



Immunofluorescence analysis of endogenous DYKDDDDK-tagged protein in HEK293 cells using ARA6584 at 1:100 dilution (Green). Nuclei were counterstained with DAPI (Blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.