Revision 1

Store at +4C

#3768

DYKDDDDK Tag Antibody (Binds to same epitope as Sigma's Anti-FLAG® M2 Antibody) (Alexa Fluor® 555 Conjugate)

Cell Signaling TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
IF-IC	All	Transfected Only	Rabbit

Product Usage Information

Application	Dilution
Immunofluorescence (Immunocytochemistry)	1:50

Storage

Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.

Specificity/Sensitivity

DYKDDDDK Tag Antibody (Binds to same epitope as Sigma's Anti-FLAG® M2 Antibody) (Alexa Fluor® 555 Conjugate) detects exogenously expressed DYKDDDDK proteins in cells. The antibody recognizes the DYKDDDDK peptide (the same epitope recognized by Sigma's Anti-FLAG® antibodies) fused to either the amino or carboxy terminus of targeted proteins. The binding specificity of this antibody is not dependent on the presence of divalent metal cations.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic DYKDDDDK peptide. The antibody was conjugated to Alexa Fluor® 555 under optimal conditions with an F/P ratio 2-6.

Description

This Cell Signaling Technology antibody was conjugated to Alexa Fluor® 555 fluorescent dye and tested in-house for immunofluorescence in cells transfected with DYKDDDDK-tagged protein.

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 amino-terminal or carboxy-terminal fusion (1).

Background References

1. Brizzard, B.L. et al. (1994) *Biotechniques* 16, 730-5.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

All: All Species Expected

Trademarks and Patents

Limited Uses

force or effect.

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