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DYKDDDDK Tag Antibody (Binds to same epitope as Sigma's Anti-FLAG® M2 Antibody) (Alexa Fluor® 594 Conjugate)

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® 594 Conjugate) detects exogenously expressed DYKDDDDK-tagged proteins in cells. The antibody recognizes the DYKDDDDK peptide 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 Description	Polyclonal antibodies are produced by immunizing animals with a synthetic DYKDDDDK peptide. This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 594 fluorescent dye and tested in-house for direct immunofluorescent analysis in cells transfected with DYKDDDDK-tagged protein. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated DYKDDDDK Tag Antibody (Binds to same epitope as Sigma's Anti-FLAG® M2 Antibody) #2368.		
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) <i>Biotechniques</i> 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		
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