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#2368

DYKDDDDK Tag Antibody (Binds to same epitope as Sigma-Aldrich Anti-FLAG M2 antibody)

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

Applications: W, IP, FC-FP	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Rabbit
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Product Usage Information	Application Western Blotting Immunoprecipitation Flow Cytometry (Fixed/Permeabilized)	Dilution 1:1000 1:50 1:200
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	DYKDDDDK Tag Antibody detects exogenously expressed DYKDDDDK proteins in cells. The antibody recognizes the DYKDDDDK peptide (the same epitope recognized by Sigma-Aldrich Anti-FLAG M2 antibody) 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. Antibodies are purified by protein A and peptide affinity chromatography.	
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, 730-735.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting IP: Immunoprecipitation FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity Key	All: All Species Expected
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