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#2908

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

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:
W, IP	All	Transfected Only	8	Rabbit

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
<b>Storage</b>	Supplied in 140 mM NaCl, 3 mM KCl, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at -20°C. <i>Do not aliquot the antibody.</i>	
<b>Specificity/Sensitivity</b>	DYKDDDDK Tag Antibody (Biotinylated) detects transfected levels of DYKDDDDK tagged proteins. 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.	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic DYKDDDDK peptide. Antibodies are purified by protein A and peptide affinity chromatography.	
<b>Background</b>	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).	
<b>Background References</b>	1. Brizzard, B. L. et al. (1994) <i>Biotechniques</i> 16, 730-735.	

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