

3X DYKDDDDK Tag (E7C5T) Rabbit mAb

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

Applications: W, IP, IF-IC	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Rabbit IgG
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Product Usage Information	Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:50 1:400 - 1:1600
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA, 50% glycerol, and less than 0.02% sodium azide. Store at -20°C. <i>Do not aliquot the antibody.</i>	
Specificity/Sensitivity	3X DYKDDDDK Tag (E7C5T) Rabbit mAb detects exogenously expressed proteins containing the 3X DYKDDDDK epitope tag. This antibody recognizes the 3X DYKDDDDK tag fused to either the amino or carboxy terminus of targeted proteins in transfected cells, but does not detect DYKDDDDK tag. 3X DYKDDDDK Tag (E7C5T) Rabbit mAb detects exogenously expressed 3X DYKDDDDK-tagged proteins in cells expressed under a CMV promoter. Expression under other promoters has not been evaluated.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide containing the 3X DYKDDDDK epitope (DYKDHDGDKDHDIDYKDDDDK).	
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).	
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 IF-IC: Immunofluorescence (Immunocytochemistry)	
Cross-Reactivity Key	All: All Species Expected	
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