

#13246 Store at -20°C

T7-Tag (D9E1X) XP® Rabbit mAb



Cell Signaling
TECHNOLOGY®

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

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| Applications: WB, IP, IF-IC | Reactivity: All | Sensitivity: Transfected Only | Source/Isotype: Rabbit IgG |
| Product Usage Information | Application | Dilution | |
| | Western Blotting | 1:1000 | |
| | Immunoprecipitation | 1:50 | |
| | Immunofluorescence (Immunocytochemistry) | 1:100 - 1:200 | |
| 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. Do not aliquot the antibody. | | |
| Specificity / Sensitivity | T7-Tag (D9E1X) XP® Rabbit mAb recognizes transfected levels of recombinant protein containing the T7 epitope tag. | | |
| Source / Purification | Monoclonal antibody is produced by immunizing animals with a synthetic T7-tag peptide. | | |
| Background | <p>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.</p> <p>The T7-tag is an epitope tag composed of an 11-residue peptide encoded from the leader sequence of the T7 bacteriophage gene 10. The T7-tag has been used extensively as a general epitope tag in many expression vectors including the pET system that is based on T7 RNA polymerase expression systems (1).</p> | | |
| Background References | 1. Studier, F.W. and Moffatt, B.A. (1986) <i>J Mol Biol</i> 189, 113-30. | | |

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| 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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. |
| Applications Key | WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) |
| Cross-Reactivity Key | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected |
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