

#84580 Store at -20C

MFF (E5W4M) XP® Rabbit mAb



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP, IF-IC	H M R	Endogenous	25, 27, 30, 35	Rabbit IgG	#Q9GZY8	56947

Product Usage Information	Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:50 1:1000
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	MFF (E5W4M) XP® Rabbit mAb recognizes endogenous levels of total MFF protein. Based upon sequence alignment, this antibody is predicted to react with isoforms 1-5 of human MFF protein and isoforms 1-4 of mouse MFF protein.	
Species predicted to react based on 100% sequence homology:	Bovine, Dog	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro126 of human MFF protein, isoform 1.	
Background	Mitochondrial fission factor (MFF) is a tail-anchored protein that resides within the outer mitochondrial membrane and is part of the mitochondrial fission complex. MFF participates in mitochondrial fission by serving as one of multiple receptors for the GTPase dynamin-related protein 1 (Drp1) (1-4). Research studies have also shown that MFF is a peroxisomal membrane protein and participates in peroxisome fission by serving as a receptor for another GTPase, dynamin-like protein 1 (5,6).	
Background References	1. Liu, R. and Chan, D.C. (2015) <i>Mol Biol Cell</i> 26, 4466-77. 2. Shen, Q. et al. (2014) <i>Mol Biol Cell</i> 25, 145-59. 3. Losón, O.C. et al. (2013) <i>Mol Biol Cell</i> 24, 659-67. 4. Otera, H. et al. (2010) <i>J Cell Biol</i> 191, 1141-58. 5. Itoyama, A. et al. (2013) <i>Biol Open</i> 2, 998-1006. 6. Gandre-Babbe, S. and van der Blik, A.M. (2008) <i>Mol Biol Cell</i> 19, 2402-12.	

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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