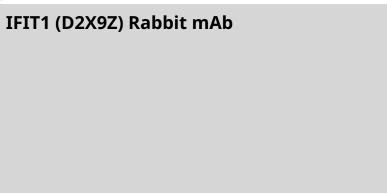
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Applications:Reactivity:W, IP, IHC-Bond,HIHC-P, FC-FP	Sensitivity: Endogenous	MW (kDa): 56	Source/Isotype: Rabbit IgG	UniProt ID: #P09914	Entrez-Gene Id: 3434
Product Usage	Application Dilution				
Information	Western Blotting			1:1000	
	Immunoprecipitation			1:100	
	IHC Leica Bond 1:400 - 1:1600				:1600
	Immunohistochemistry (Paraffin)			1:800 - 1:3200	
	Flow Cytometry (Fixed	Flow Cytometry (Fixed/Permeabilized) 1:50 - 1:2			
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>				
	For a carrier free (BSA and azide free) version of this product see product #56086.				
Specificity/Sensitivity	IFIT1 (D2X9Z) Rabbit mAb recognizes endogenous levels of total IFIT1 protein.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala194 of human IFIT1 protein.				
Background	IFIT1 (interferon-induced protein with tetratricopeptide repeats 1) belongs to the IFIT family of proteins, which consists of four members in humans (IFIT1, IFIT2, IFIT3, and IFIT5) and three members in mice (IFIT1, IFIT2, and IFIT3) (1). IFIT1 expression is induced by type I interferons resulting from viral infection (2). IFIT1 is an antiviral protein that directly binds viral RNA that has a 5' triphosphate group (PPP-RNA) (2). In humans, the viral PPP-RNA bound IFIT1 forms a complex with IFIT2 and IFIT3 to sequester the viral PPP-RNA and prevent replication (2). IFIT1 has also been shown to inhibit translation by binding to the eukaryotic initiation factor 3 (eIF3) (3).				
Background References	1. Ablasser, A. and Hornung, V. (2011) <i>Nat Immunol</i> 12, 588-90. 2. Pichlmair, A. et al. (2011) <i>Nat Immunol</i> 12, 624-30. 3. Guo, J. et al. (2000) <i>EMBO J</i> 19, 6891-9.				
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 IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin) FC-FP: Flow Cytometry (Fixed/Permeabilized)				
Cross-Reactivity Key	H: Human				
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