

E3 ubiquitin-protein ligase PHF7 Antibody

Mouse Monoclonal Antibody [Clone PCR-PHF7-1A1]

Catalog No	Format	Size
51533-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
51533-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
51533-MSM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	PCR-PHF7-1A1
Immunogen	Recombinant human PHF7 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	43.77kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Highly expressed in Sertoli cells, but not in germ cells in adult testis

*Optimal dilution for a specific application should be determined.

Product Images for E3 ubiquitin-protein ligase PHF7 Antibody

Specificity & Comments

E3 ubiquitin-protein ligase which ubiquitinates histone H3 at 'Lys-14' (By similarity). Required for male fertility, via inhibition of SPOP-mediated BRDT degradation when in the presence of acetylated histone H4 in early condensing spermatids (By similarity). Stabilization of BRDT allows it to facilitate histone removal in early condensing spermatids and promote the progression of histone-to-protamine exchange (By similarity). Promotes the expression of steroidogenesis proteins in the testes, and as a result plays a role in maintaining testosterone levels and repressing osteoclastogenesis (By similarity). Promotes transcription of cardiac enhancer genes by facilitating binding of cardiac transcription factors such as MEF2C and GATA4 to target gene promoters (By similarity). Ubiquitinates histone H4 (PubMed:32726616). Ubiquitinates histone H2A and H3 as part of the nucleosome core particle (By similarity).

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.