

Recombinant EZH inhibitory protein Antibody

Rabbit Monoclonal Antibody [Clone EZHIP/12792R]

Catalog No	Format	Size
340602-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
340602-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
340602-RBM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	EZHIP/12792R
Immunogen	Recombinant fragment (around aa135-149) of the human EZHIP protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	51.89kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	In testis, detected in male germ cells inside the seminiferous tubules, especially in spermatogonia and round spermatids (at protein level) (PubMed:31451685)

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant EZH inhibitory protein Antibody

Specificity & Comments

Inhibits PRC2/EED-EZH1 and PRC2/EED-EZH2 complex function by inhibiting EZH1/EZH2 methyltransferase activity, thereby causing down-regulation of histone H3 trimethylation on 'Lys-27' (H3K27me3) (PubMed:29909548, PubMed:30923826, PubMed:31086175, PubMed:31451685). Probably inhibits methyltransferase activity by limiting the stimulatory effect of cofactors such as AEBP2 and JARID2 (PubMed:30923826). Inhibits H3K27me3 deposition during spermatogenesis and oogenesis (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 produced in a mammalian-based expression system. 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.