Product Datasheet

Recombinant Histone H1 Antibody / Rabbit Monoclonal (orb533994)

Catalog Number	orb533994
Category	Antibodies
Description	Five major families of histones exist: H1/H5, H2A, H2B, H3, and H4. Histones H2A, H2B, H3 and H4 are known as the core histones, while histones H1/H5 are known as the linker histones. The core histones all exist as dimers, which are similar in that they all possess the histone fold domain; three alpha helices linked by two loops. It is this helical structure that allows for interaction between distinct dimers, particularly in a head-tail fashion (also called the handshake motif). The linker histone H1 binds the nucleosome at the entry and exit sites of the DNA, thus locking the DNA into place and allowing the formation of higher order structure. [Wiki]
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein A affinity chromatography
Immunogen	Recombinant full-length human protein was used as the immunogen for the recombinant Histone H1 antibody.
UniProt ID	P07305

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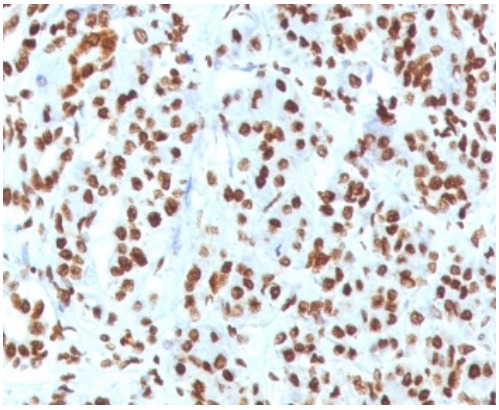
Tested applications	FACS, IF, IHC-P
Dilution range	Flow cytometry: 1-2ug/10^6 cells,Immunofluorescence: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RTPrediluted IHC only format: incubate for 30 min at RT (1)
Application notes	The stated application concentrations are suggested starting points. Titration of the recombinant Histone H1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	OSHT-3R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human pancreas tissue with recombinant Histone H1 antibody (clone OSHT-3R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min.

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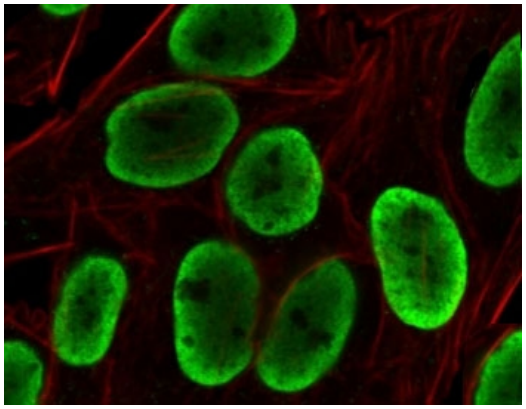
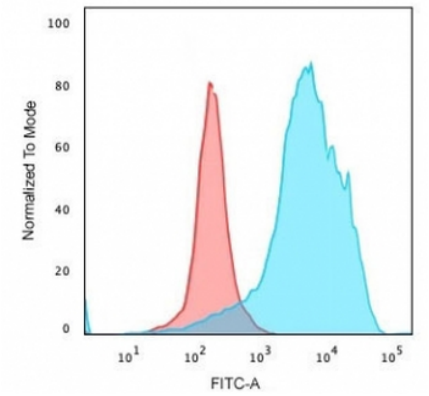


Immunofluorescent staining of PFA-fixed human HeLa cells with recombinant Histone H1 antibody (green, clone OSHT-3R) and Phalloidin.



Flow cytometry testing of PFA-fixed human HeLa cells with recombinant Histone H1 antibody (clone OSHT-3R); Red = isotype control, Blue = recombinant Histone H1 antibody.

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