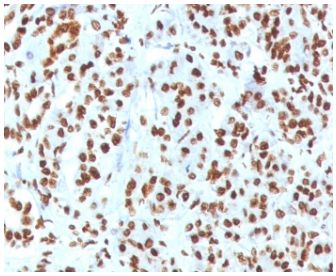
Recombinant Histone H1 Antibody / Rabbit Monoclonal [clone OSHT-3R] (V3689)

Catalog No.	Formulation	Size
V3689-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3689-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3689SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3689IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

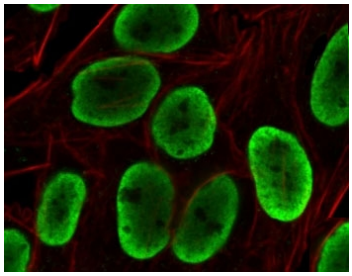
Recombinant RABBIT MONOCLONAL

Bulk quote request

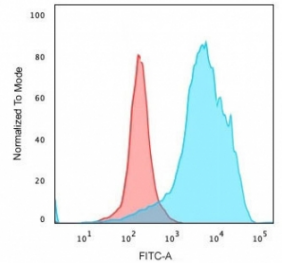
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	OSHT-3R
Purity	Protein A affinity chromatography
UniProt	P07305
Localization	Nuclear
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RTPrediluted IHC only format
Limitations	This recombinant Histone H1 antibody is available for research use only.



IHC staining of FFPE human pancreas tissue with recombinant Histone H1 antibody (clone OSHT-3R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



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.

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]

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.

Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant Histone H1 antibody.

Storage

Store the recombinant Histone H1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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