

Product Datasheet

H1F0 Antibody (rAE-4) - Azide and BSA Free NBP3-08690

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP3-08690

H1F0 Antibody (rAE-4) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	rAE-4
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	30 kDa

Product Description	
Description	<p>1.0 mg/ml of recombinant monoclonal antibody purified by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07711).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	3005
Gene Symbol	H1-0
Species	Human, Mouse, Rat
Marker	Pan Nuclear Marker
Specificity/Sensitivity	<p>Please note that this antibody is a recombinant Mouse version of original anti-histone H1 antibody (Clone AE-4). Because the variable heavy (VH) and variable light (VL) domains are the same, recombinant antibody has the same exact reactivity as the original AE-4 monoclonal antibody. There are several advantages of producing a recombinant version of a monoclonal antibody. For example, a recombinant antibody is a purer preparation of active immunoglobulin with no contaminating non-functional intact Ig or free light/heavy chains. Secondly, antibody can always be produced, even if hybridoma line is lost. Moreover, it adds the flexibility of converting the antibody to any species, isotype or format. Eukaryotic histones are basic and water-soluble nuclear proteins that form hetero-octameric nucleosome particles by wrapping 146 base pairs of DNA in a left-handed super-helical turn sequentially to form chromosomal fiber. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form the octamer; formed of two H2A-H2B dimers and two H3-H4 dimers, forming two nearly symmetrical halves by tertiary structure. Over 80% of nucleosomes contain the linker Histone H1, derived from an intronless gene that interacts with linker DNA between nucleosomes and mediates compaction into higher order chromatin. This antibody is extensively used as a pan-nuclear marker.</p>
Immunogen	Recombinant full-length human H1F0 protein

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin

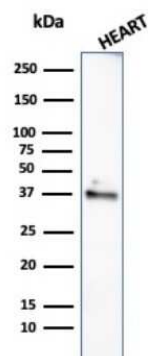


Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin
Application Notes	Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.

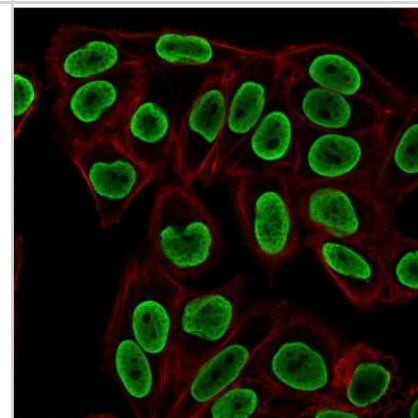


Images

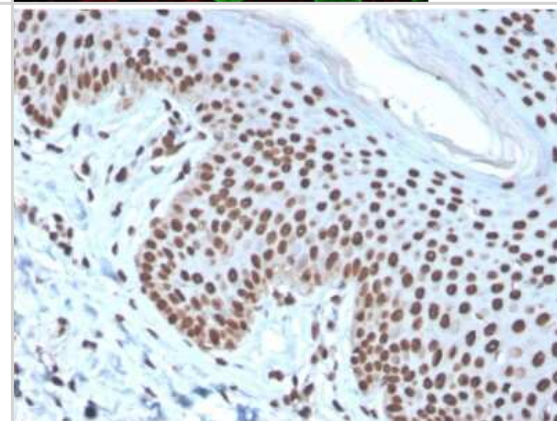
Western Blot: H1F0 Antibody (rAE-4) - Azide and BSA Free [NBP3-08690] - Western Blot Analysis of human heart tissue lysate using H1F0 Mouse Recombinant Monoclonal Antibody (rAE-4).



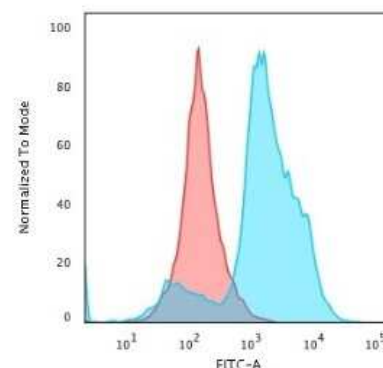
Immunocytochemistry/Immunofluorescence: H1F0 Antibody (rAE-4) - Azide and BSA Free [NBP3-08690] - Immunofluorescent staining of HeLa cells using H1F0 Mouse Monoclonal Antibody (rAE-4) followed by goat anti- Mouse IgG-CF488 (green). Phalloidin is used to label cell membrane (red).



Immunohistochemistry-Paraffin: H1F0 Antibody (rAE-4) - Azide and BSA Free [NBP3-08690] - Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with H1F0 Mouse Recombinant Monoclonal Antibody (rAE-4).



Flow Cytometry: H1F0 Antibody (rAE-4) - Azide and BSA Free [NBP3-08690] - Flow Cytometric Analysis of paraformaldehyde-fixed HeLa cells using H1F0 Mouse Recombinant Monoclonal Antibody (rAE-4) followed by goat anti- Mouse IgG-CF488 (Blue); Isotype Control (Red).





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Products Related to NBP3-08690

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00003005-Q01-10ug	Recombinant Human H1F0 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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