abcam

Product datasheet

100x Citrate Buffer pH 6.0 ab64236

6 References 2 Images

Overview

Product name	100x Citrate Buffer pH 6.0
Tested applications	**Suitable for:** IHC-P
General notes	Citrate buffer pH 6.0 for heat-induced antigen retrieval (HIER) during IHC (ab64236).

Properties

Form	Liquid
Storage instructions	Store at room temperature.
Storage buffer	pH: 4 Constituent: 1% Hydrochloric acid Buffer 100X concentrated.
Relevance	Citrate buffer is used on formalin-fixed, paraffin-embedded tissue sections mounted on glass slides for target retrieval prior to immunohistochemistry (IHC) procedures. Target retrieval prior to IHC procedures obtains positive results, or results in an increase in staining intensity with many primary antibodies.

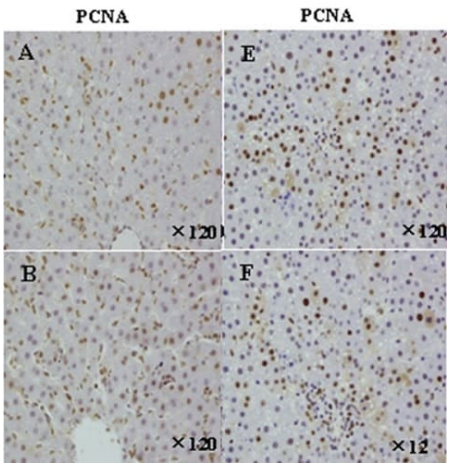
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab64236 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

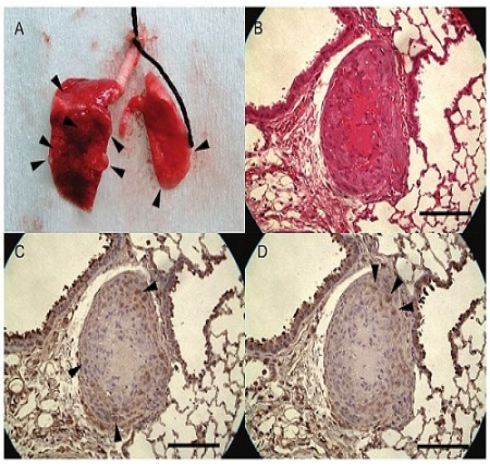
Application	Abreviews	Notes
IHC-P		Use at an assay dependent dilution.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 100x Citrate Buffer pH 6.0 (ab64236)

Immunohistochemical analysis of liver tissue section labeling PCNA with **ab18197** at 1/250. Antigen retrieval was performed with antigen retrieval buffer, ab64236. A and B, PCNA staining in right and left grafts 1 day after reperfusion. E and F, PCNA staining in right and left grafts 5 day after reperfusion.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 100x Citrate Buffer pH 6.0 (ab64236)

Jujo T et al. PLoS One (2014)

Immunohistochemical analysis of mouse lung. Samples were fixed in 10% buffered formalin, paraffinized and sliced at 1.5 µm thick. Antigen retrieval was performed using **ab64214** for the deparaffinized slices. Sections were blocked with 2% normal goat serum, PBS(-) and 0.1% Tween20. They were then incubated with the primary antibodies for 1 hour at 4°C and with secondary antibodies for 30 minutes at room temperature. The avidin-biotin-peroxidase complex method with peroxidase streptavidin and the DAB substrate kit **ab64238** was performed.

(A) A resected lung from a mouse sacrificed 28 days after SCL injection.

(B) Haemotoxylin and Eosin staining showing the tumor composed of a central area with necrosis and a peripheral zone filled with SCLs.

(C) Immunohistochemical staining for MMP-14 showing positive expression of MMP-14 in the peripheral zone of the tumor and negative in central zone.

(D) Immunohistochemical staining weak staining of MMP-2 in the peripheral zone.

This image was produced using **ab64214** (a lower concentration of ab64236). Therefore, we expect ab64236 to work as well when diluted to the required concentration.

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