

Product datasheet

10x Citrate Buffer pH 6.0 ab64214

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Overview

Product name	10x 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.

Properties

Form	Liquid
Storage instructions	Shipped at Room Temperature. Store at Room Temperature.
Storage buffer	pH: 6.00 Constituent: Citrate Buffer

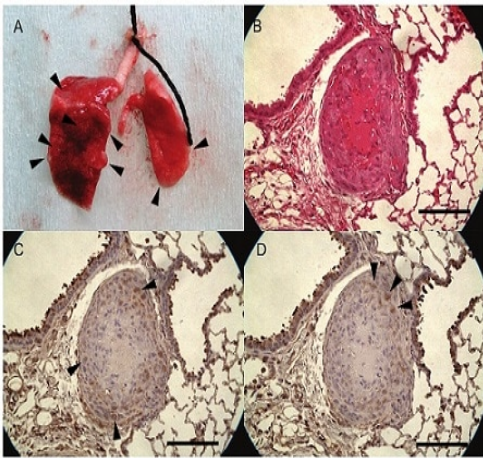
Relevance Buffer x10 concentrated.
Citrate buffer is used on formalin-fixed, paraffin-embedded tissue sections mounted on glass slides for target retrieval prior to immunohistochemistry (IHC) procedures. Target retrieval prior to IHC procedures obtains positive results, or results in an increase in staining intensity with many primary antibodies.

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab64214 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) - 10x Citrate Buffer pH 6.0 (ab64214)

Jujo T et al. PLoS One (2014) Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

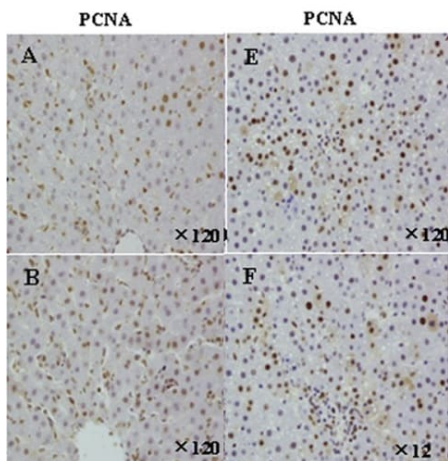
Immunohistochemical analysis of mouse lung. Samples were fixed in 10% buffered formalin, paraffinized and sliced at 1.5 μ m thick. Antigen retrieval was performed using ab64214 for the deparaffinized slices. Sections were blocked with 2% normal goat serum, PBS(-) and 0.1% Tween20. They were then incubated 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 10x Citrate Buffer pH 6.0 (ab64214)

Jujo T et al. PLoS One (2014)

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.

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

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