

Hydrogen Peroxide Blocking Reagent ab64218

★★★★★ [3 Abreviews](#) [23 References](#) [1 Image](#)

Overview

Product name	Hydrogen Peroxide Blocking Reagent
Tested applications	Suitable for: IHC-P, IHC-Fr
General notes	<p>Hydrogen Peroxide Blocking Reagent ab64218 for use in IHC with detection based on HRP / peroxidase.</p> <p>Note: The concentration of hydrogen peroxide in this product is 0.3%.</p> <p>IHC protocol suitable for use with Hydrogen Peroxide Blocking Reagent: For frozen sections, skip steps 1 and 2.</p> <ol style="list-style-type: none">1. Deparaffinize and rehydrate formalin-fixed paraffin-embedded tissue section.2. Use appropriate antigen retrieval buffer or enzyme (primary antibody dependent) to treat sections. Wash 3 times in buffer.3. Add enough hydrogen peroxide blocking solution ab64218 to cover the sections. Incubate for 10 minutes. Wash 2 times in buffer. If necessary, use avidin biotin blocking.4. Apply protein block (or normal serum from same species as secondary antibody) and incubate for 5 minutes at room temperature to block nonspecific background staining. Wash once in buffer.5. Apply primary antibody in antibody diluent and incubate.6. Wash 4 times in buffer. Incubate slide with biotinylated secondary antibody (or HRP polymer secondary antibody and skip step 7). Wash 4 times in buffer.7. Apply streptavidin-HRP and incubate for 10 minutes at room temperature.8. Rinse 4 times in buffer. Place slide in DAB substrate or AEC substrate and incubate until desired color is achieved (1-10 mins). Rinse 4 times in buffer.9. Add enough drops of hematoxylin to cover the section. Incubate for 1 minute.10. Rinse 7-8 times in tap water. Add mounting medium to cover the section. <p>Find complete IHC kits, and reagents for antigen retrieval, blocking, signal amplification, visualization, counterstaining, and mounting in the IHC kits and reagents guide.</p>

Properties

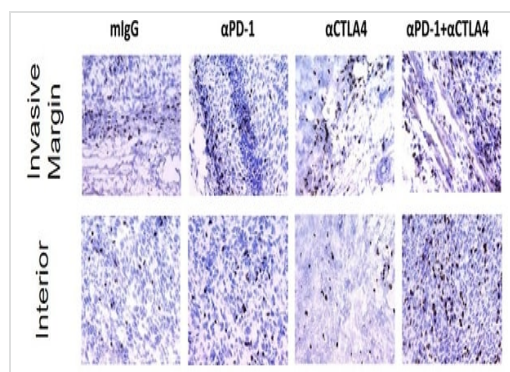
Form	Liquid
Storage instructions	Store at +4°C.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 0.3% Hydrogen peroxide
Relevance	Hydrogen Peroxide Blocking Reagent is intended for use in peroxidase-based immunohistochemical staining procedures on cell preparations, frozen tissue sections, and paraffin-embedded tissue sections.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab64218 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.
IHC-Fr		Use at an assay dependent dilution.

Images



Immunohistochemical (frozen) analysis of MC38 tumor sections labeling CD3 with **ab16669** at 1/400 dilution. Sections were fixed with acetone, treated with peroxidase block (ab64218) to quench endogenous peroxidase, and then further blocked with a 10% goat serum and 5% BSA solution. CD3 positive T cells were detected using **ab80437**. Invasive margin (top) shows sections derived from the periphery of the tumor and interior (bottom) shows sections from within the tumor.

Immunohistochemistry (Frozen sections) - Hydrogen Peroxide Blocking Reagent (ab64218)

Selby MJ et al., PLoS One 11(9), Fig 2. doi: 10.1371/journal.pone.0161779. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

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