

Hydrogen Peroxide Blocking Reagent ab64218

★★★★★ [3 Abreviews](#) [28 References](#) [1 Image](#)

Overview

Product name	Hydrogen Peroxide Blocking Reagent
Tested applications	Suitable for: IHC-P, IHC-Fr
General notes	Hydrogen Peroxide Blocking Reagent ab64218 for use in IHC with detection based on HRP / peroxidase. Note: The concentration of hydrogen peroxide in this product is 0.3%.

IHC protocol suitable for use with Hydrogen Peroxide Blocking Reagent:

For frozen sections, skip steps 1 and 2.

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.

Find complete IHC kits, and reagents for antigen retrieval, blocking, signal amplification, visualization, counterstaining, and mounting in the [IHC kits and reagents guide](#).

Properties

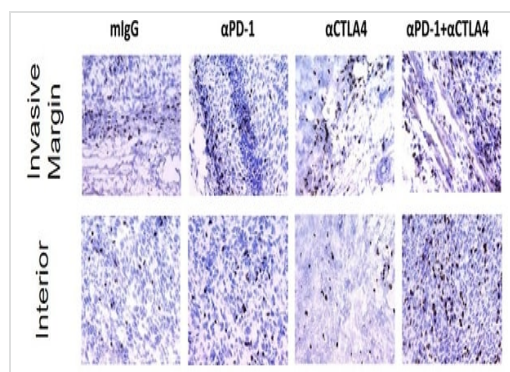
Form	Liquid
Storage instructions	Store at +4°C.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 0.3% Hydrogen peroxide
Relevance	Hydrogen Peroxide Blocking Reagent is intended for use in peroxidase-based immunohistochemical staining procedures on cell preparations, frozen tissue sections,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