abcam

Product datasheet

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	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.

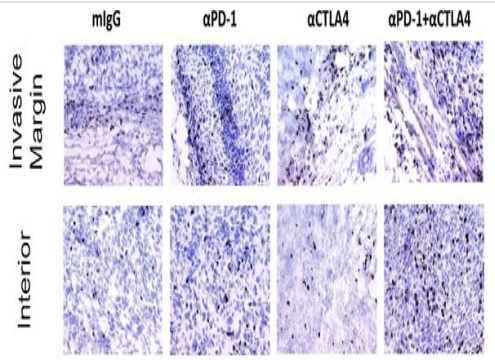
Applications

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



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/

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.

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