Polyperoxidase Anti Mouse/Rabbit IgG （(Ready-to-Use)）

Cat. No: E-AB-1202

Cat	product	Size				Storage
E-AB-1202	Polyperoxidase-anti-Mouse/Rabbit IgG (Ready-to-Use)	3 mL	6 mL	l8 mL	50 mL	2~8 °C
Manual			**One Copy**			

Introduction

The Polyperoxidase-anti-Mouse/Rabbit IgG utilizes polymer labeling technology, directly covalently conjugating peroxidase (HRP) to the secondary antibody molecules on the polymer backbone. This approach retains the antibody's specific binding capacity while effectively avoiding steric hindrance caused by excessive molecular size.The Poly-HRP secondary antibody serves as a substitute for both the secondary and tertiary antibodies in the traditional biotin - streptavidin (SP) three - step method, directly amplifying the antigen - antibody binding signal. Additionally, it eliminates the incubation steps involving biotin and streptavidin, reducing operational time. By eliminating the use of biotin, it prevents background staining induced by endogenous biotin.

This product is suitable for immunohistochemical (IHC) staining and can detect monoclonal and polyclonal antibodies derived from Rabbit or Mouse sources.

Sample dyeing

1. Dewax and hydrate the paraffin section.
2. Make thermal repair or digestion treatment to antigen of the tissue section according to antigen / antibody situation.
3. Incubate with 3% H_2O_2 (E-IR-R115) for l0 min to eliminate endogenous peroxidase activity. Wash with PBST or TBST, 3 min×3 times.
4. Add Normal Goat Blocking Buffer (Ready-to-Use) (E-IR-R110), incubate at room temperature for 30 min. Shake off any excess liquid.
5. Add primary antibody (From Mouse or Rabbit) with proper dilution ratio, incubate at 20~37°C for l~2hour at 4°C overnight (then rewarm at 37°C for 30 min). Wash with PBST or TBST, 3 min×3 times. Dry the section with absorbent paper.
6. Add E-AB-1202 (Polyperoxidase-anti-Mouse/Rabbit IgG), incubate at room temperature or 37°C for 30 min. Wash with PBST or TBST, 3 min×3 times.
7. Add 1 drop (approximately 40 μL) of DAB Concentrate (E-IR-R101A) into each 1 mL of DAB Substrate (E-IR-R101B), mix fully and the mixed reagent is the DAB Working Solution. Prepare fresh solution before use and the prepared solution should be stored in the dark. Fresh prepared DAB Working Solution is valid within 4 hours and the unused solution must be abandoned.
8. Add freshly prepared DAB Working Solution to each slice, observe under a microscope, and the positive signal is brownish yellow or brown. If the color is obvious or the color development time exceeds l0 minutes, rinse the slice with deionized water to terminate the color development, do not over-stain.
9. Wash the section with deionized water to terminate the chromogenic reaction. Then, add a hematoxylin solution (E-IR-R120) for counterstaining. Subsequently, rinse with tap water to restore the blue color.
10. Alcohol dehydration, xylene transparency, and sealing with neutral gum (E-IR-R118).

Storage

Store at 2~8°C, shading light. Avoid of freezing. Valid for 12 months.

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