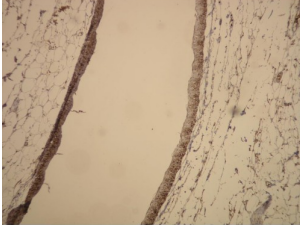


## Beta Actin (ACTB) Antibody

Catalogue No.: abx227077

IHC-P analysis of Actin expression in mesenteric vein (4  $\mu$ m section).

Beta Actin (ACTB) Antibody is a Rabbit Monoclonal antibody for the detection of beta-Actin.

<b>Target:</b>	Beta Actin (ACTB)
<b>Clonality:</b>	Monoclonal
<b>Clone:</b>	X592
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	IHC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	IHC-P: 1/100 - 1/300. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Synthetic peptide derived from the C-terminal region of human beta-actin.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified from rabbit antiserum by proprietary techniques.
<b>Storage:</b>	Store at 2-8°C.
<b>UniProt Primary AC:</b>	P60709 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Buffer:</b>	20 mM Tris-HCl, pH 8.0, containing 20 mg/ml BSA and 0.05% Na <sub>3</sub> S.

**Note:** This product is for research use only.

**Directions for use:** Suggested IHC-P Protocol

1. Preparation of Citrate Buffer (10 mM Citric Acid, 0.05% Tween-20, pH 6.0): Dissolve 1.92 g of anhydrous citric acid in 700 ml of distilled water. Adjust pH to 6.0 with 1 M NaOH and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
2. Preparation of Wash Buffer: Use PBS, pH 7.0-7.5, containing 0.05% Tween-20.
3. Deparaffinize the section in 3 changes of xylene, 10 minutes each.
4. Wash the section in 96%, 80% and 70% ethanol, 10 minutes each.
5. Rinse twice in distilled water, 5 minutes each.
6. Block endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) for 10 minutes.
7. Rinse twice in distilled water, 5 minutes each.
8. Antigen retrieval: immerse the slide in Citrate buffer, pH 6.0, and incubate in a water bath for 25 minutes at 95-97 °C.
9. Remove the slide from the water bath and allow to stand at room temperature (in Citrate buffer, pH 6.0) for 15 minutes.
10. Rinse twice in distilled water, 5 minutes each.
11. Wash twice in Wash Buffer, 5 minutes each.
12. Incubate the section with primary antibody at 1/100 - 1/300 dilution for 1 hour in a closed wet chamber. It is recommended to use [abx291502](#) Primary Antibody Diluent or a diluent containing protease-free BSA (≥ 1 mg/ml) to dilute this antibody.
13. Wash 3 times with Wash Buffer, 5 minutes each.
14. Add the secondary antibody and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). It is recommended to use [abx291501](#) Rabbit and Mouse HRP/DAB Detection Kit.
15. Wash three times in Wash Buffer, 5 minutes each.
16. Apply the DAB chromagen for 1-3 minutes.
17. Wash twice in distilled water, 5 minutes each.
18. Stain in hematoxylin for 5 minutes.
19. Wash three times in distilled water, 2 minutes each.
20. Mount the slide for observation.