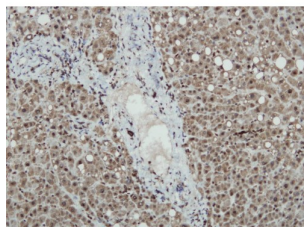
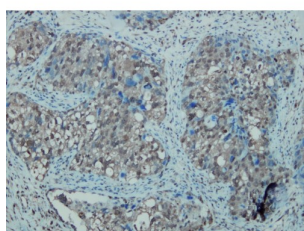


Nitric Oxide Synthase, Inducible (NOS2) Antibody

Catalogue No.: abx227078



IHC-P analysis of liver tissue (4 μ m section), using iNOS antibody, showing strong positive immunostaining of hepatocytes and lung cancer cells.



IHC-P analysis of lung adenocarcinoma tissue (4 μ m section), showing strong positive immunostaining of hepatocytes and lung cancer cells.

Nitric Oxide Synthase 2, Inducible / iNOS (NOS2) Antibody is a Rabbit Monoclonal antibody for the detection of iNOS.

Target: Nitric Oxide Synthase, Inducible (NOS2)

Clonality: Monoclonal

Clone: V672

Reactivity: Human

Tested Applications: IHC

Host: Rabbit

Recommended dilutions: IHC-P: 1/100 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Synthetic peptide derived from the human iNOS sequence.

Isotype: IgG

Form: Liquid

Datasheet

Version: 2.0.0
Revision date: 07 Sep 2025



Purification: Purified from rabbit antiserum by proprietary techniques.

Storage: Store at 2-8°C.

UniProt Primary AC: P35228 ([UniProt](#), [ExPASy](#))

Buffer: 20 mM Tris-HCl, pH 8.0, containing 20 mg/ml BSA and 0.05% NaN₃.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use: Suggested IHC-P Protocol

1. Preparation of Tris-EDTA Buffer (10 mM Tris Base, 1 mM EDTA solution, 0.05% Tween-20, pH 9.0): Dissolve 1.21 g Tris and 0.37 g EDTA in 700 ml of distilled water and mix. Adjust pH to 9.0 with 1 M HCl 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, 5 minutes each.
4. Wash the section in 96%, 80% and 70% ethanol, 10 minutes each.
5. Rinse in distilled water.
6. Block endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H₂O₂) for 10 minutes.
7. Wash in distilled water.
8. Antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, 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 Tris-EDTA buffer, pH 9.0) 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 - 1/200 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.