Mouse anti Nix Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Nix
- **Catalogue:** 605-550
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ZY163
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human Nix

BACKGROUND

This protein belongs to the pro-apoptotic subfamily within the Bcl-2 family of proteins. The NIX protein possesses the BH3 domain. NIX localizes to mitochondria, interacts with BCL2 and BCL-XL. C-terminal transmembrane domain of NIX, but not its BH3 domain, is essential for its proapoptotic activity. The protein directly targets mitochondria and causes apoptotic changes, including loss of membrane potential and the release of cytochrome c. NIX is implicated in hypoxia-induced tumor cell death. Stable NIX expression retards the growth of cancer cell lines, suggesting that NIX may be a tumor suppressor.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Nix protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 40.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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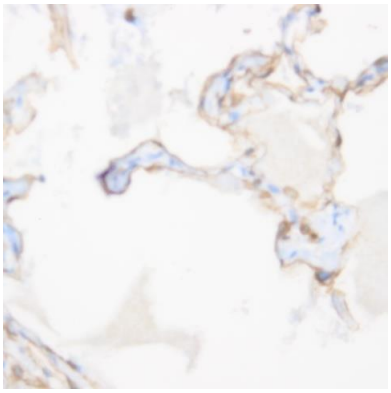
DATA ATTACHMENTS



Immunohistochemistry: Human lung (FFPE) stained with Mouse anti-NIX (Cat# 605-550) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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