# Mesothelin Monoclonal Antibody (SP74)

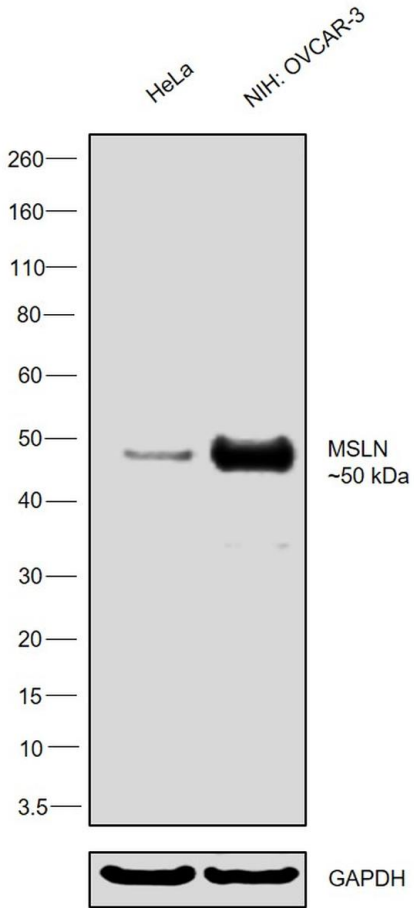
| Product Details | |
|---|---|
| Size | 500 µL |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Rabbit / IgG |
| Class | Monoclonal |
| Type | Antibody |
| Clone | SP74 |
| Conjugate | Unconjugated |
| Immunogen | Synthetic peptide corresponding to C-terminus of human mesothelin protein. |
| Form | Liquid |
| Purification | Protein A/G |
| Storage buffer | PBS, pH 7.6, with 1% BSA |
| Contains | 0.1% sodium azide |
| Storage conditions | -20° C, Avoid Freeze/Thaw Cycles |
| RRID | AB_2537897 |

| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | 1:1,000 | - |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100 | 1 Publication |

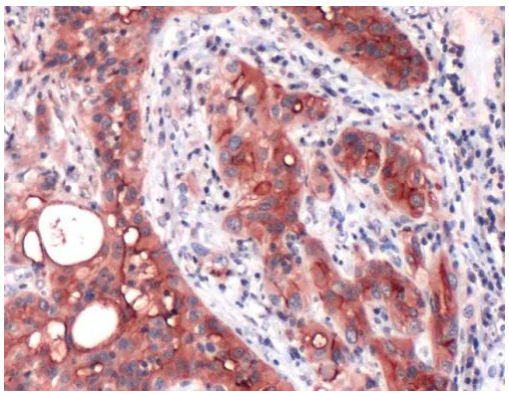
### Product Specific Information

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 10 min at room temperature. A suggested positive control is mesothelioma.

## Product Images For Mesothelin Monoclonal Antibody (SP74)




**Mesothelin Antibody (MA5-16378) in WB**
Western Blot was performed using Anti-Mesothelin Monoclonal Antibody (SP74) (Product # MA5-16378) and a ~50 kDa band corresponding to Mesothelin was observed across cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1) and NIH:OVCAR-3 (Lane 2) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



**Mesothelin Antibody (MA5-16378) in IHC (P)**
Immunohistochemical (Paraffin) analysis of Mesothelin using anti-Mesothelin antibody (Product # MA5-16378) in human mesothelioma.

# 1 Reference

## Immunohistochemistry (Paraffin) (1)

**Nature communications**

### A method for Boolean analysis of protein interactions at a molecular level.

"MA5-16378 was used in Immunocytochemistry-immunoflourescence to show that in contrast to proximity ligation assays, MolBoolean simultaneously indicates the relative abundances of protein A and B not interacting with each other, as well as the pool of A and B proteins that are proximal enough to be considered an AB complex."

Authors: Raykova D,Kermpatsou D,Malmqvist T,Harrison PJ,Sander MR,Stiller C,Heldin J,Leino M,Ricardo S,Klemm A, David L,Spjuth O,Vemuri K,Dimberg A,Sundqvist A,Norlin M,Klaesson A,Kampf C,Söderberg O

**Year**
2022

**Species**
Human

**Dilution**
1:50

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