STOML2 Polyclonal ANTIBODY

Catalog Number: 10348-1-AP

Recommended Dilutions:
- WB: 1:1000-1:6000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:20-1:200
- IF: 1:20-1:200

Applications:
- Tested Applications: IF, IHC, IP, WB, ELISA
- Cited Applications: IF, IHC, IP, WB
- Species Specificity: human, mouse, rat
- Cited Species: human, mouse

Background Information:

STOML2 (Stomatin-like protein 2; also known as SLP-2) is a widely expressed mitochondrial member of the highly conserved family of stomatin proteins. STOML2 is localized mostly in mitochondrial inner membrane, minor in plasma membrane. Human STOML2 interacts with prohibitins and regulates mitochondrial biogenesis and function (21746876). In addition, plenty of studies revealed that STOML2 was overexpressed in many human cancer tissues, and its expression may be a new valuable prognostic biomarker (19839737, 21960069). Recently STOML2 has been identified as a serological biomarker for early colorectal cancer (CRC) diagnosis (21209152). Two isoforms of STOML2 exist due to the alternative splicing, with MW of 39 kDa and 33 kDa, respectively.

Notable Publications:

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<th>Author</th>
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<tr>
<td>Huan Deng</td>
<td>29161097</td>
<td>Oncol Lett</td>
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<td>Yijie Huang</td>
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<td>Christie Darah A DA</td>
<td>21760876</td>
<td>Mol Cell Biol</td>
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Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 10348-1-AP (STOML2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

Various lysates were subjected to SDS PAGE followed by western blot with 10348-1-AP (STOML2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human lung cancer using 10348-1-AP (STOML2 antibody) at dilution of 1:100 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human lung cancer using 10348-1-AP (STOML2 antibody) at dilution of 1:100 (under 40x lens).

Immunofluorescent analysis of MCF-7 cells, using STOML2 antibody 10348-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

IP Result of anti-STOML2 (IP:10348-1-AP, 3ug; Detection:10348-1-AP 1:1000) with mouse brain tissue lysate 1000ug.