STMN2 Polyclonal antibody

Catalog Number: 10586-1-AP

Basic Information

- **Catalog Number:** 10586-1-AP
- **Size:** 150μl, Concentration: 400 μg/ml by Nanodrop
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG0929
- **GenBank Accession Number:** BC006302
- **GeneID (NCBI):** 11075
- **Full Name:** stathmin-like 2
- **Calculated MW:** 21 kDa
- **Observed MW:** 18-21 kDa

Purification Method:

- Antigen affinity purification

Recommended Dilutions:

- **WB:** 1:1000-1:6000
- **IP:** 0.5-4.0 μg for IP and 1:1000-1:4000 for WB
- **IHC:** 1:50-1:500
- **IF:** 1:50-1:500

Applications

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

- **Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Stathmin-2 (encoded by STMN2), a member of the stathmin family of proteins, encodes a phosphoprotein that has an important role in microtubule dynamics. The STMN2 protein promotes microtubule dynamics in axonal growth cones, and is thought to play an important role in neurite outgrowth. STMN2 protein is localized in both Golgi and cytosolic compartments. Its expression appears modulated in osteoblasts by nerve growth factor, dexamethasone or RhoA kinase inhibitor Y-27632 which are known effectors of osteogenesis. (PMID: 33841129, PMID: 18611392)

Notable Publications

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<th>Author</th>
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<tr>
<td>Konstantin Feinberg</td>
<td>28877995</td>
<td>J Cell Biol</td>
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<tr>
<td>Adam Tuttle</td>
<td>31476133</td>
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<td>Andrea Loreto</td>
<td>31740269</td>
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Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage.

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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in USA, or 1(312) 455-8498 (outside USA)
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 10586-1-AP (STMN2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10586-1-AP (STMN2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).


Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using STMN2 antibody (10586-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).