

Datasheet for ABIN7600734
anti-STMN2 antibody (AA 23-170)



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Overview

Quantity:	100 µg
Target:	STMN2
Binding Specificity:	AA 23-170
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STMN2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SCG10/STMN2 Antibody Picoband®
Immunogen:	E.coli-derived human SCG10/STMN2 recombinant protein (Position: S23-N170).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SCG10/STMN2 Antibody Picoband® (ABIN7600734). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	STMN2
Alternative Name:	STMN2 (STMN2 Products)
Background:	Synonyms: Homeobox protein Hox-B1, Homeobox protein Hox-2I, HOXB1, HOX2I, Background: Stathmin-2 is a protein that in humans is encoded by the STMN2 gene. This gene encodes a member of the stathmin family of phosphoproteins. Stathmin proteins function in microtubule dynamics and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6.
Molecular Weight:	21 kDa
Gene ID:	11075
UniProt:	Q93045

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Bahn, S., Mimmack, M., Ryan, M., Caldwell, M. A., Jauniaux, E., Starkey, M., Svendsen, C. N., Emson, P. Neuronal target genes of the neuron-restrictive silencer factor in neurospheres derived from fetuses with Down's syndrome: a gene expression study. <i>Lancet</i> 359: 310-315, 2002. 2. Okazaki, T., Yoshida, B. N., Avraham, K. B., Wang, H., Wuenschell, C. W., Jenkins, N. A., Copeland, N. G., Anderson, D. J., Mori, N. Molecular diversity of the SCG10/stathmin gene family in the mouse. <i>Genomics</i> 18: 360-373, 1993. Note: Erratum: <i>Genomics</i> 21: 298 only, 1994. 3. Stein, R., Mori, N., Matthews, K., Lo, L.-C., Anderson, D. J. The NGF-inducible SCG10 mRNA encodes a novel membrane-bound protein present in growth cones and abundant in developing neurons. <i>Neuron</i> 1: 463-476, 1988.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.