

Datasheet for ABIN185573

anti-Stathmin 1 antibody (C-Term)



[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	100 µg
Target:	Stathmin 1 (STMN1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Stathmin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Enzyme Immunoassay (EIA)

Product Details

Purpose:	STMN1 / Stathmin 1
Immunogen:	Peptide with sequence C-KNKESKDPADETead, from the C Terminus of the protein sequence according to NP_005554.1, NP_981944.1, NP_981946.1.
Sequence:	KNKESKDPAD ETEAD
Isotype:	IgG
Specificity:	This antibody is expected to cross-react with isoform 1 a (NP_005554.1, NP_981944.1, NP_981946.1) only. The three reported isoforms (NP_005554.1, NP_981944.1 and NP_981946.1) represent identical protein.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

Product Details

chromatography using the immunizing peptide.

Grade: Verified

Target Details

Target: Stathmin 1 (STMN1)

Alternative Name: STMN1 ([STMN1 Products](#))

Background: STMN1, stathmin 1/oncoprotein 18 , LAP18, Lag, OP18, PP17, PP19, PR22, SMN , Pr22 protein, leukemia-associated phosphoprotein p18, metablastin, oncoprotein 18, phosphoprotein 19, prosolin, stathmin 1, stathmin 1 variant

Gene ID: 3925

NCBI Accession: [NP_005554](#), [NP_981944](#), [NP_981946](#)

Pathways: [MAPK Signaling](#), [Microtubule Dynamics](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Thymus and Tonsil. Recommended concentration: 3.75 µg/mL.

Western Blot: Approx 17 kDa band observed in Human Testis and Mouse Brain lysates (calculated MW of 17.3 kDa according to NP_005554.1, NP_981944.1 and NP_981946.1).

Recommended concentration: 1-3 µg/mL.

Peptide ELISA: antibody detection limit dilution 1:1000.

Comment: **ELISA:** This antibody has been successfully used in ELISA as described in the following paper: Song et al, Aging Cell. 2010 Aug,9(4):607-15, PMID: 20560902.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Handling

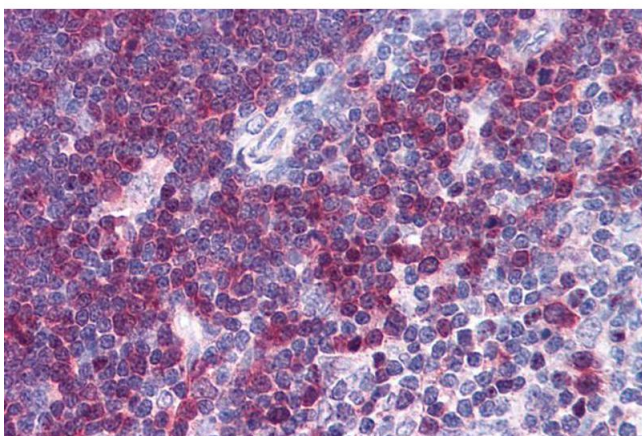
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Watabe-Rudolph, Song, Lausser, Schnack, Begus-Nahrmann, Scheithauer, Rettinger, Otto, Tumani, Thal, Attems, Jellinger, Kestler, von Arnim, Rudolph: "Chitinase enzyme activity in CSF is a powerful biomarker of Alzheimer disease." in: **Neurology**, Vol. 78, Issue 8, pp. 569-77, (2012) ([PubMed](#)).

Song, von Figura, Liu, Kraus, Torrice, Dillon, Rudolph-Watabe, Ju, Kestler, Sanoff, Lenhard Rudolph: "Lifestyle impacts on the aging-associated expression of biomarkers of DNA damage and telomere dysfunction in human blood." in: **Aging cell**, Vol. 9, Issue 4, pp. 607-15, (2010) ([PubMed](#)).

Images



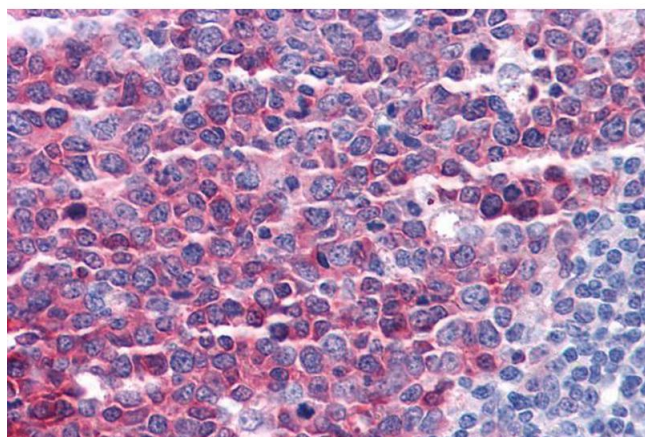
Immunohistochemistry

Image 1. ABIN185573 (3.75µg/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 2. ABIN185573 (1µg/ml) staining of Human Testis Lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN185573 (3.75µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.