

Datasheet for ABIN7602576
anti-GSG2 antibody (AA 86-798)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GSG2
Binding Specificity:	AA 86-798
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSG2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GSG2/HASPIN Antibody Picoband®
Immunogen:	E.coli-derived human GSG2/HASPIN recombinant protein (Position: R86-K798). Human GSG2/HASPIN shares 65% amino acid (aa) sequence identity with mouse GSG2/HASPIN.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GSG2/HASPIN Antibody Picoband® (ABIN7602576). Tested in WB, ICC/IF, Flow Cytometry, ELISA 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: GSG2

Alternative Name: HASPIN ([GSG2 Products](#))

Background: Synonyms: HASPIN, GSG2, Serine/threonine-protein kinase haspin, EC 2.7.11.1, Germ cell-specific gene 2 protein, H-haspin, Haploid germ cell-specific nuclear protein kinase
Background: Enables ATP binding activity and histone H3T3 kinase activity. Involved in several processes, including mitotic sister chromatid cohesion, mitotic spindle assembly checkpoint signaling, and protein localization to chromosome, centromeric region. Located in centrosome, nucleoplasm, and spindle.

Molecular Weight: 88 kDa

Gene ID: 83903

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL
1. Dai, J., Sultan, S., Taylor, S. S., Higgins, J. M. G. The kinase haspin is required for mitotic histone H3 Thr 3 phosphorylation and normal metaphase chromosome alignment. Genes Dev. 19: 472-488, 2005. 2. Higgins, J. M. G. The haspin gene: location in an intron of the integrin alpha-E gene, associated transcription of an integrin alpha-E-derived RNA and expression in diploid as well as haploid cells. Gene 267: 55-69, 2001. 3. Kelly, A. E., Ghenoïu, C., Xue, J. Z., Zierhut, C., Kimura, H., Funabiki, H. Survivin reads phosphorylated histone H3 threonine 3 to activate the mitotic kinase Aurora B. Science 330: 235-239, 2010.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.