bs-22470R **[Primary Antibody]**

Haspin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: Haspin

Immunogen: KLH conjugated synthetic peptide derived from mouse Haspin: 421-520/754.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Haspins is a protein family containing a distinctive C-terminal kinase domain and a divergent N-terminus. Haspin homologues occur within a diverse group of eukaryotes, including animals, plants and fungi, which suggests an early evolutionary origin. Haspin, a nuclear protein strongly expressed in male germ cells, is responsible for the phosphorylation of histone H3 at Thr-3. Depletion of Haspin RNA prevents normal alignment of chromosomes at metaphase, suggesting a crucial role for haspin during chromosome segregation. Expression of haspin also occurs in adult thymus and bone marrow, with weaker expression in adult prostate, intestine, lung, spleen, and lymph node. The gene encoding human haspin maps to chromosome 17p13.

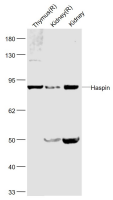
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat (predicted: Human)

Predicted MW.: 88 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Thymus(Rat) Lysate at 40 ug Kidney(Rat) Lysate at 40 ug Kidney(Mouse) Lysate at 40 ug Primary: Anti-Haspin (bs-22470R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90 kD Observed band size: 90 kD

SELECTED CITATIONS

- **[IF=8]** Shao Jiahao. et al. Interference of a mammalian circRNA regulates lipid metabolism reprogramming by targeting miR-24-3p/Igf2/PI3K-AKT-mTOR and Igf2bp2/Ucp1 axis. CELL MOL LIFE SCI. 2023 Sep;80(9):1-21 WB ;Mouse. 37587272
- **[IF=3.329]** Han X et al. Haspin knockdown can inhibit progression and development of pancreatic cancer in vitro and vivo. Exp Cell Res. 2019 Sep 4:111605. IHC ;Human. 31493385
- **[IF=3.329]** Zhu D et al. HASPIN is involved in the progression of gallbladder carcinoma. Exp Cell Res. 2020 Jan 24:111863. IHC ;Human. 31987787
- **[IF=3.322]** Luhao Li. et al. GSG2 promotes tumor growth through regulating cell proliferation in hepatocellular carcinoma. BIOCHEM BIOPH RES CO. 2022 Oct;625:109 IHC ;Human. 35952607