

SPSB3 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15975**Specification**

SPSB3 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q6PJ21
Other Accession	NM_080861 , NP_543137
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

SPSB3 Antibody - C-terminal region - Additional Information**Gene ID** 90864**Alias Symbol** C16orf31, SSB3**Other Names**

SPRY domain-containing SOCS box protein 3, SSB-3, SPSB3, C16orf31, SSB3

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-SPSB3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

SPSB3 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SPSB3 Antibody - C-terminal region - Protein Information**Name** SPSB3 {ECO:0000303|PubMed:38418882, ECO:0000312|HGNC:HGNC:30629}**Function**

Substrate-recognition component of a cullin-5-RING E3 ubiquitin-protein ligase complex (ECS complex, also named CRL5 complex), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as CGAS and SNAIL (PubMed:29059170, PubMed:38418882). The ECS (SPSB3) complex catalyzes 'Lys-48'-linked ubiquitination of nuclear CGAS in cycling cells, leading to its degradation (PubMed:38418882). Recognizes and binds nucleosome-bound CGAS: ubiquitination and degradation of nuclear CGAS during G1 and G2 phases is required to promote low intranuclear

CGAS abundance before the next mitotic cycle (PubMed:38418882). The ECS(SPSB3) complex also mediates ubiquitination and degradation of phosphorylated SNAI1 (PubMed:29059170).

Cellular Location

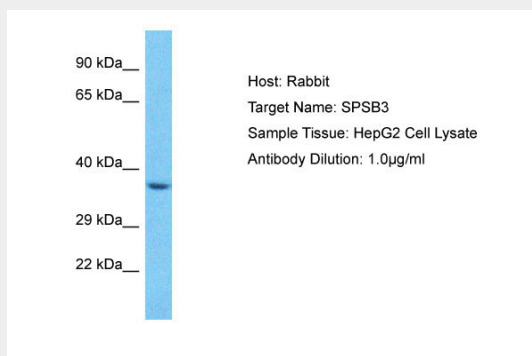
Nucleus. Note=Nuclear SPSB3 levels increase during interphase

SPSB3 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SPSB3 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: SPSB3
Sample Tissue: HepG2 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

SPSB3 Antibody - C-terminal region - Background

May be a substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.

SPSB3 Antibody - C-terminal region - References

Friedel E.J.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Daniels R.J.,et al.Hum. Mol. Genet. 10:339-352(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Wang D.,et al.J. Biol. Chem. 280:16393-16401(2005).