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SPSB2 Antibody (clone 1E6)

Mouse Monoclonal Antibody

Catalog # ALS13501

Specification

SPSB2 Antibody (clone 1E6) - Product Information

Application	**WB, IHC**
Primary Accession	Q99619
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**29kDa KDa**

SPSB2 Antibody (clone 1E6) - Additional Information

Gene ID 84727

Other Names
SPRY domain-containing SOCS box protein 2, SSB-2, Gene-rich cluster protein C9, SPSB2, GRCC9, SSB2

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
SPSB2 Antibody (clone 1E6) is for research use only and not for use in diagnostic or therapeutic procedures.

SPSB2 Antibody (clone 1E6) - Protein Information

Name SPSB2

Synonyms GRCC9, SSB2

Function
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 (PubMed:15601820, PubMed:21199876). Negatively regulates nitric oxide (NO) production and limits cellular toxicity in activated macrophages by mediating the ubiquitination and proteasomal degradation of NOS2 (PubMed:21199876). Acts as a bridge which links NOS2 with the ECS E3 ubiquitin ligase complex components ELOC and CUL5 (PubMed:21199876).

Cellular Location
Cytoplasm. Cytoplasm, cytosol. Note=Exhibits a diffuse cytosolic localization.

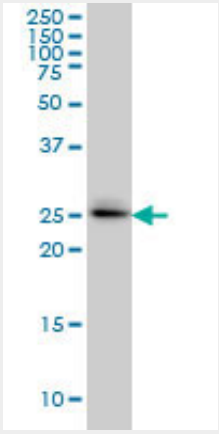
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SPSB2 Antibody (clone 1E6) - Protocols

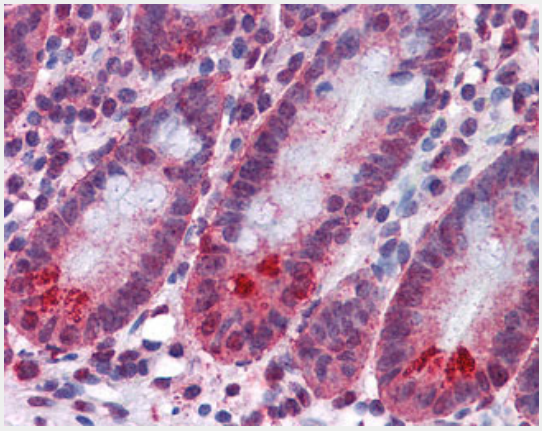
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPSB2 Antibody (clone 1E6) - Images



GRCC9 monoclonal antibody, clone 1E6 Western blot of SPSB2 expression in A-549.



Anti-SPSB2 antibody IHC of human small intestine.

SPSB2 Antibody (clone 1E6) - Background

Probable 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.

SPSB2 Antibody (clone 1E6) - References

Friedel E.J.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ansari-Lari M.A.,et al.Genome Res. 7:268-280(1997).
Scherer S.E.,et al.Nature 440:346-351(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.