

**SPEN / SHARP Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2505a****Specification**

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**SPEN / SHARP Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O96T58</a>
Other Accession	<a href="#">NP_055816.2</a> , <a href="#">23013</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	402248

**SPEN / SHARP Antibody (internal region) - Additional Information****Gene ID** 23013**Other Names**

Mx2-interacting protein, SMART/HDAC1-associated repressor protein, SPEN homolog, SPEN, KIAA0929, MINT, SHARP

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SPEN / SHARP Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**SPEN / SHARP Antibody (internal region) - Protein Information****Name** SPEN**Synonyms** KIAA0929, MINT, SHARP**Function**

May serve as a nuclear matrix platform that organizes and integrates transcriptional responses. In osteoblasts, supports transcription activation: synergizes with RUNX2 to enhance FGFR2- mediated activation of the osteocalcin FGF-responsive element (OCFRE) (By similarity). Has also been shown to be an essential corepressor protein, which probably regulates different key pathways such as the Notch pathway. Negative regulator of the Notch pathway via its interaction with RBPSUH,

which prevents the association between NOTCH1 and RBPSUH, and therefore suppresses the transactivation activity of Notch signaling. Blocks the differentiation of precursor B-cells into marginal zone B-cells. Probably represses transcription via the recruitment of large complexes containing histone deacetylase proteins. May bind both to DNA and RNA.

**Cellular Location**

Nucleus. Note=Associates with chromatin

**Tissue Location**

Expressed at high level in brain, testis, spleen and thymus. Expressed at intermediate level in kidney, liver, mammary gland and skin

**SPEN / SHARP Antibody (internal 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](#)

**SPEN / SHARP Antibody (internal region) - Images****SPEN / SHARP Antibody (internal region) - References**

Interaction of the Epstein-Barr virus mRNA export factor EB2 with human Spen proteins SHARP, OTT1, and a novel member of the family, OTT3, links Spen proteins with splicing regulation and mRNA export. Hiriart E, Gruffat H, Buisson M, Mikaelian I, Keppler S, Meresse P, Mercher T, Bernard OA, Sergeant A, Manet E. J Biol Chem. 2005 Nov 4;280(44):36935-45. Epub 2005 Aug 29. PMID: 16129689