

**SHARPIN Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18513c****Specification**

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**SHARPIN Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9H0F6</a>
Other Accession	<a href="#">NP_112236.3</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	240-269

**SHARPIN Antibody (Center) - Additional Information****Gene ID** 81858**Other Names**

Sharpin, Shank-associated RH domain-interacting protein, Shank-interacting protein-like 1, hSIPL1, SHARPIN, SIPL1

**Target/Specificity**

This SHARPIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 240-269 amino acids from the Central region of human SHARPIN.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

SHARPIN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**SHARPIN Antibody (Center) - Protein Information****Name** SHARPIN {ECO:0000303|PubMed:20179993}**Synonyms** SIPL1

**Function** Component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation (PubMed:[21455173](#), PubMed:[21455180](#), PubMed:[21455181](#)). LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways (PubMed:[21455173](#), PubMed:[21455180](#), PubMed:[21455181](#)). Linear ubiquitination mediated by the LUBAC complex interferes with TNF- induced cell death and thereby prevents inflammation (PubMed:[21455173](#), PubMed:[21455180](#), PubMed:[21455181](#)). LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex (PubMed:[21455173](#), PubMed:[21455180](#), PubMed:[21455181](#)). The LUBAC complex is also involved in innate immunity by conjugating linear polyubiquitin chains at the surface of bacteria invading the cytosol to form the ubiquitin coat surrounding bacteria (PubMed:[28481331](#)). LUBAC is not able to initiate formation of the bacterial ubiquitin coat, and can only promote formation of linear polyubiquitins on pre-existing ubiquitin (PubMed:[28481331](#)). The bacterial ubiquitin coat acts as an 'eat-me' signal for xenophagy and promotes NF-kappa-B activation (PubMed:[28481331](#)). Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis (PubMed:[23708998](#)).

#### **Cellular Location**

Cytoplasm, cytosol. Synapse {ECO:0000250|UniProtKB:Q9EQL9}. Note=Enriched at synaptic sites in mature neurons where it colocalizes with SHANK1 {ECO:0000250|UniProtKB:Q9EQL9}

#### **Tissue Location**

Highly expressed in skeletal muscle and placenta and at lower levels in brain, heart, colon without mucosa, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes. Up-regulated in various tumor tissues such as kidney, liver, ovary and pancreas tumors.

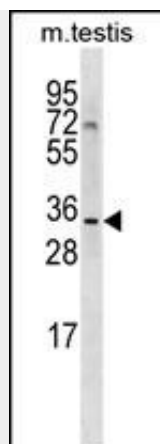
### **SHARPIN Antibody (Center) - Protocols**

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](#)

### **SHARPIN Antibody (Center) - Images**





SHARPIN Antibody (Center) (Cat. #AP18513c) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the SHARPIN antibody detected the SHARPIN protein (arrow).

#### **SHARPIN Antibody (Center) - Background**

SHARPIN may have a role in normal immune development and control of inflammation (By similarity).

#### **SHARPIN Antibody (Center) - References**

Jung, J., et al. Mol. Cell. Biochem. 340 (1-2), 161-167 (2010) :  
Vega, A., et al. Gynecol. Oncol. 112(1):210-214(2009)  
Daigo, Y., et al. J. Gastroenterol. Hepatol. 18(6):712-718(2003)  
Lim, S., et al. Mol. Cell. Neurosci. 17(2):385-397(2001)