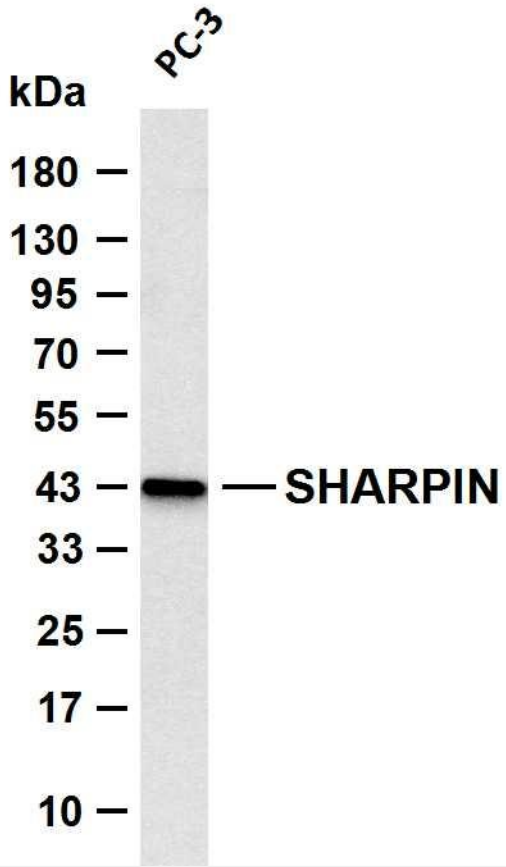
SHARPIN Rabbit mAb

Catalog No	YP-rAb-17321
Isotype	IgG
Reactivity	Human
Applications	WB,IF,IP,ELISA
Gene Name	SHARPIN SIPL1 PSEC0216
Protein Name	Sharpin
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	Shank-associated RH domain-interacting protein ; Shank-interacting protein-like 1 ; hSIPL1
Observed Band	43kD
Calculated Molecular Weight	40kD
Cell Pathway	Cytoplasm, cytosol . Cell junction, synapse . Enriched at synaptic sites in mature neurons where it colocalizes with SHANK1. .
Tissue Specificity	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.
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 . LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways . Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation . 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 . 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 . LUBAC is not able to initiate formation of the bacterial ubiquitin coat, and can only promote formation of linear polyubiquitins on pre-existing ubiquitin . The bacterial ubiquitin coat acts as an 'eat-me' signal for xenophagy and promotes NF-kappa-B activation . Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis .
Background	Enables polyubiquitin modification-dependent protein binding activity. Involved in defense response to bacterium; protein linear polyubiquitination; and regulation of signal transduction. Located in cytosol. Part of LUBAC complex. [provided by Alliance of Genome Resources, Jul 2025]
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SHARPIN antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: PC-3 Predicted band size: 40kDa Observed band size: 43kDa