

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SHARPIN in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SHARPIN Ala27-Ala182 Accession # Q9H0F6
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Sharpin (Shank-associated RH domain-interacting protein), also called SIPL1 (Shank interacting protein-like 1) is a 40-45kDa protein. It is an essential component of the cytosolic LUBAC ubiquitin conjugation complex. It conjugates linear ubiquitin chains to IKK γ and activates NF κ B, thus regulating immune and inflammatory responses. Sharpin is widely expressed, with upregulated expression in multiple tumor types. Human Sharpin is a 387 amino acid (aa) protein containing self association, SHANK1 interaction, and zinc finger domains. A 326 aa isoform diverges after aa 308 and lacks the zinc finger domain. Within aa 27-182, human Sharpin shares 67 and 66% aa sequence identity with mouse and rat Sharpin, respectively.

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