

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse SAM68 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human and mouse SAM68 Met108-Pro280 Accession # Q07666
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

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

SAM68 (Src associated in mitosis 68 kDa; also KH domain-containing, RNA-binding, signal transduction-associated protein 1) is a 62-68 kDa member of the KHDRBS family of proteins. It is associated with multiple receptor systems (i.e.- TCR and leptin), as an adaptor protein by its SH2 and SH3 domains, and binds to UAAA motifs in mRNA. Human SAM68 is 443 amino acids (aa) in length. It contains one SGQ region (aa 96-157) and one KH domain (aa 171-197). Post-translational modification of SAM68 alters its partnership with other molecules. For example, methylation on ArgGly motifs reduce RNA binding, acetylation on multiple Lys residues increases RNA binding, and phosphorylation on Tyr promotes SH3 domain interaction.

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