

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human SPRY3 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SPRY3 Met1-Glu142 Accession # O43610
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

SPRY3 (sprouty homolog 3) is a member of the sprouty family of proteins. SPRY3 appears to modulate Ras/MAPK pathway signaling following RTK activation. Human SPRY3 is 288 amino acids (aa) in length and contains one SH2-binding domain (aa 25-30), a PEST sequence (aa 82-93), and a Cys-rich domain (aa 147-270). SPRY3 forms homo- and hetero-oligomers with other SPRY family molecules. It also undergoes phosphorylation, ubiquitination and palmitoylation, the latter of which induces SPRY3 to associate with cell membranes.

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