Human SPRY3 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG

Catalog Number: AF5735

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human SPRY3 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human SPRY3 Met1-Glu142 Accession # O43610
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

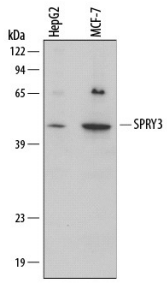
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human SPRY3 by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line and MCF-7 human breast cancer cell line. PVDF membrane was probed with 1 µg/mL of Human SPRY3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5735) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for SPRY3 at approximately 42 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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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