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# EB06432 - Goat Anti-Sprouty Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** SPRY1, hSPRY1, sprouty homolog 1, antagonist of FGF signaling (Drosophila), sprouty (Drosophila) homolog 1 (antagonist of FGF signaling), sprouty, Drosophila, homolog of, 1 (antagonist of FGF signaling)
**Official Symbol:** SPRY1
**Accession Number(s):** NP_005832.1; NP_955359.1
**Human GeneID(s):** 10252
**Important Comments:** NP_005832.1 and NP_955359.1 represent varients of the same protein.

## Immunogen

Peptide with sequence CPSRGQGKPS, from the C Terminus of the protein sequence according to NP_005832.1; NP_955359.1.

Please note the peptide is available for sale.

## Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

## Applications Tested

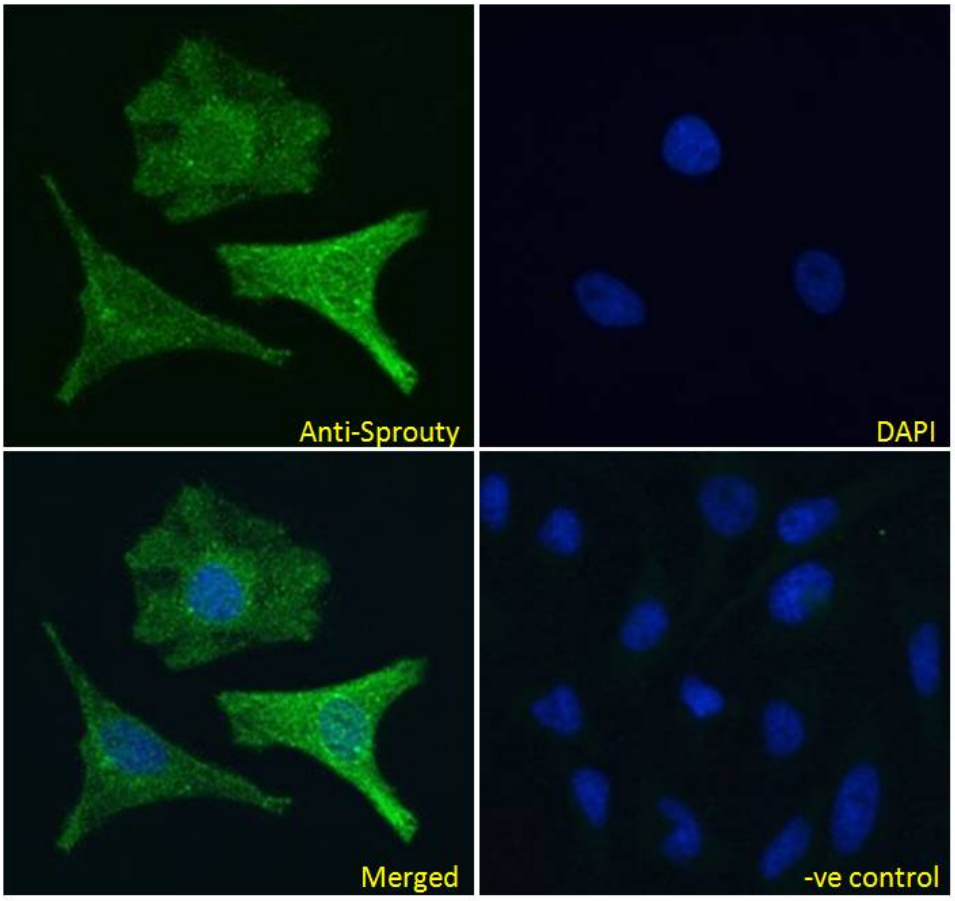
**Peptide ELISA:** antibody detection limit dilution 1:16000.
**Western blot:** Approx 37kDa band observed in Human Kidney lysates (calculated MW of 35.1kDa according to NP_005832.1 ). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. This.product has been successfully used in ERMS cells (PMID: 20068162). Recommended concentration: 1-3µg/ml.
**IHC:** This product has been successfully used by customers in paraffin embedded Mouse Brain, showing nuclear staining. Recommended concentration: 1-3µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and Golgi apparatus of HeLa and HepG2 cells. Recommended concentration: 10µg/ml.

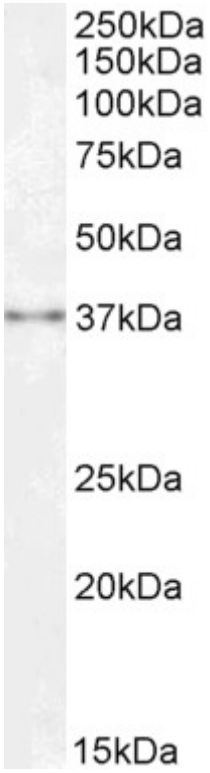
**Flow Cytometry:** Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

## Species Reactivity

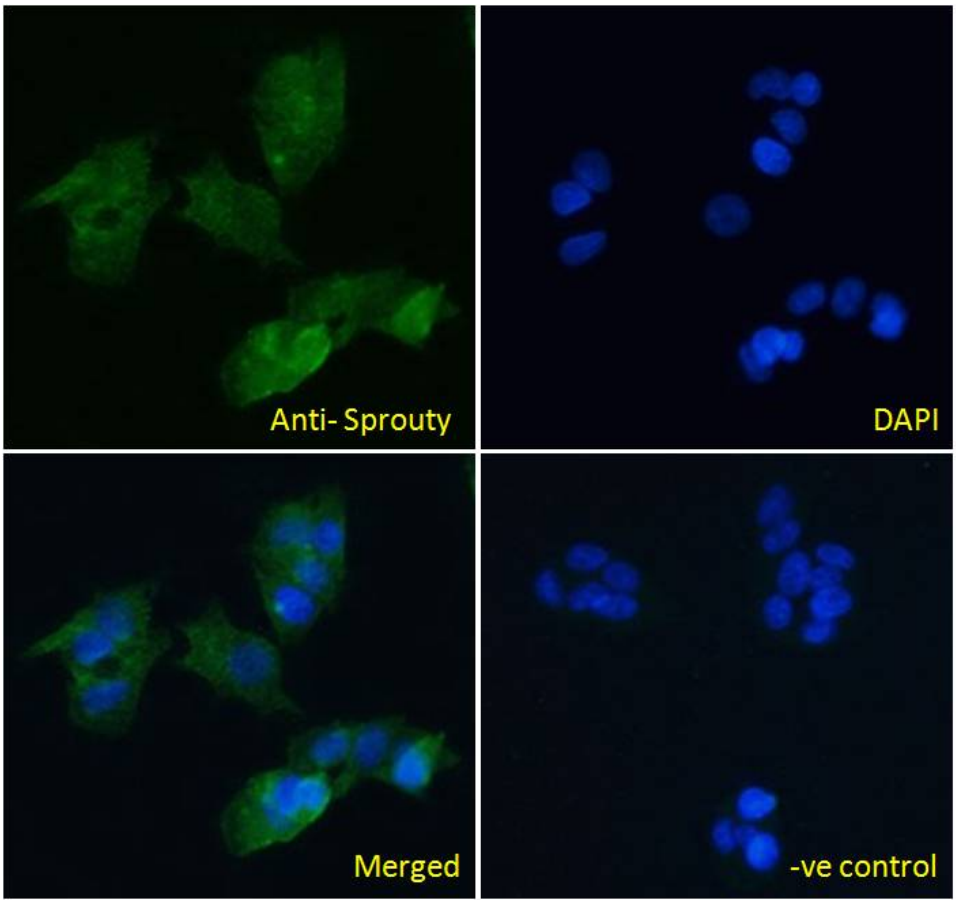
**Tested:** Human, Mouse
**Expected from sequence similarity:** Human



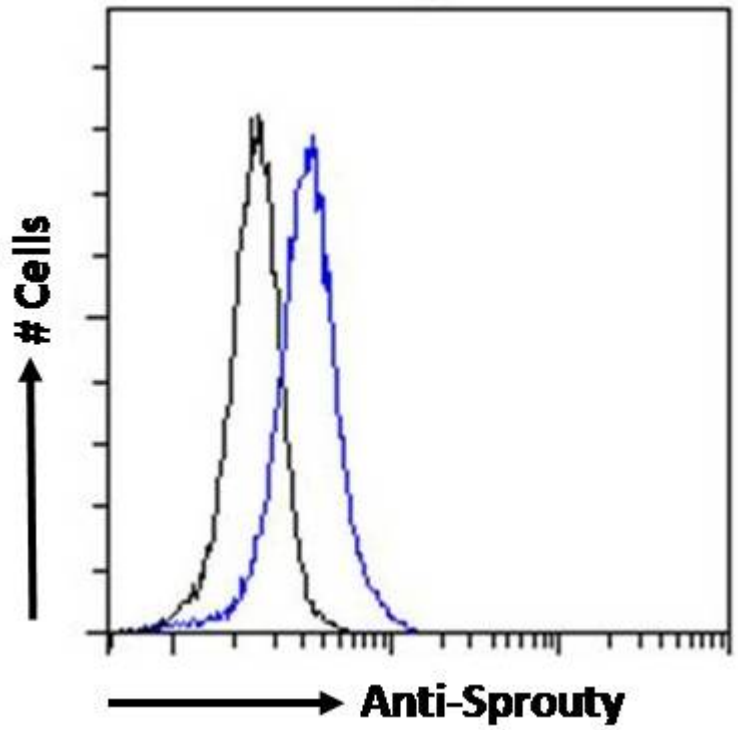

EB06432 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB06432 (0.3µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.




EB06432 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).




EB06432 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.