International Office

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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

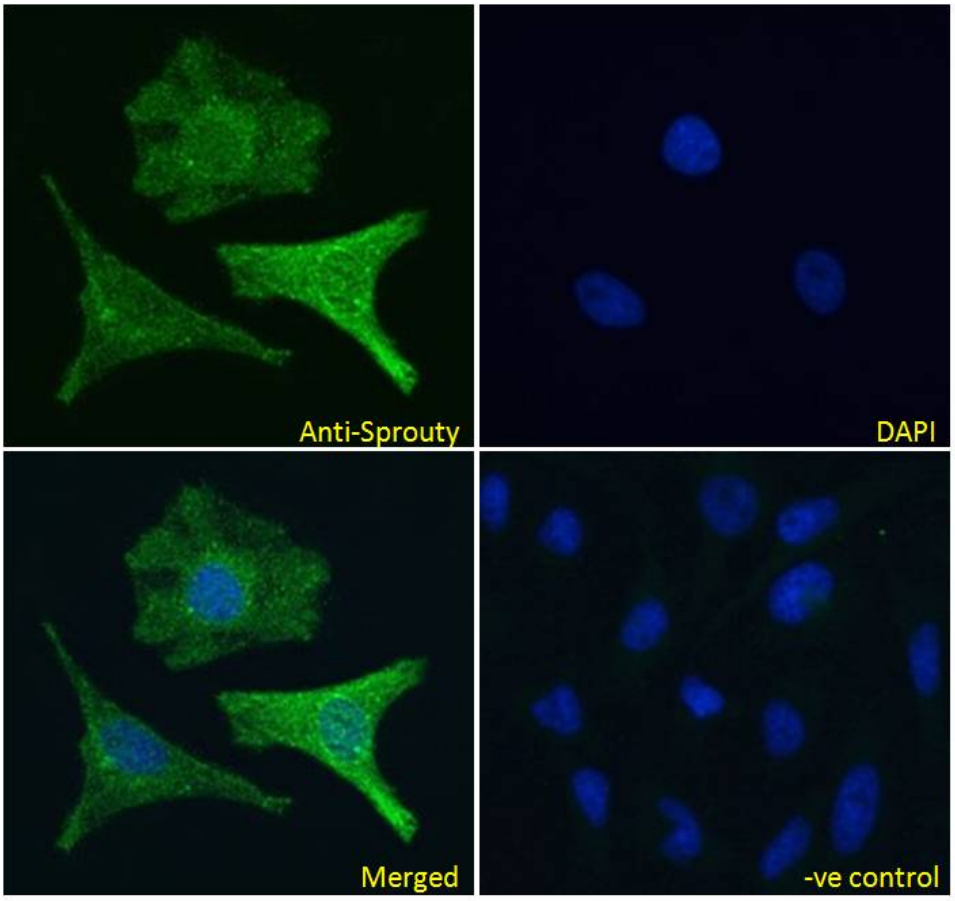
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 37kDa band observed in Human Kidney lysates (calculated MW of 35.1kDa according to NP_005832.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. This.product has been successfully used 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.

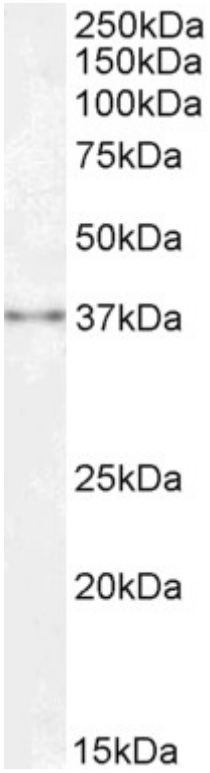
Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

Species Reactivity

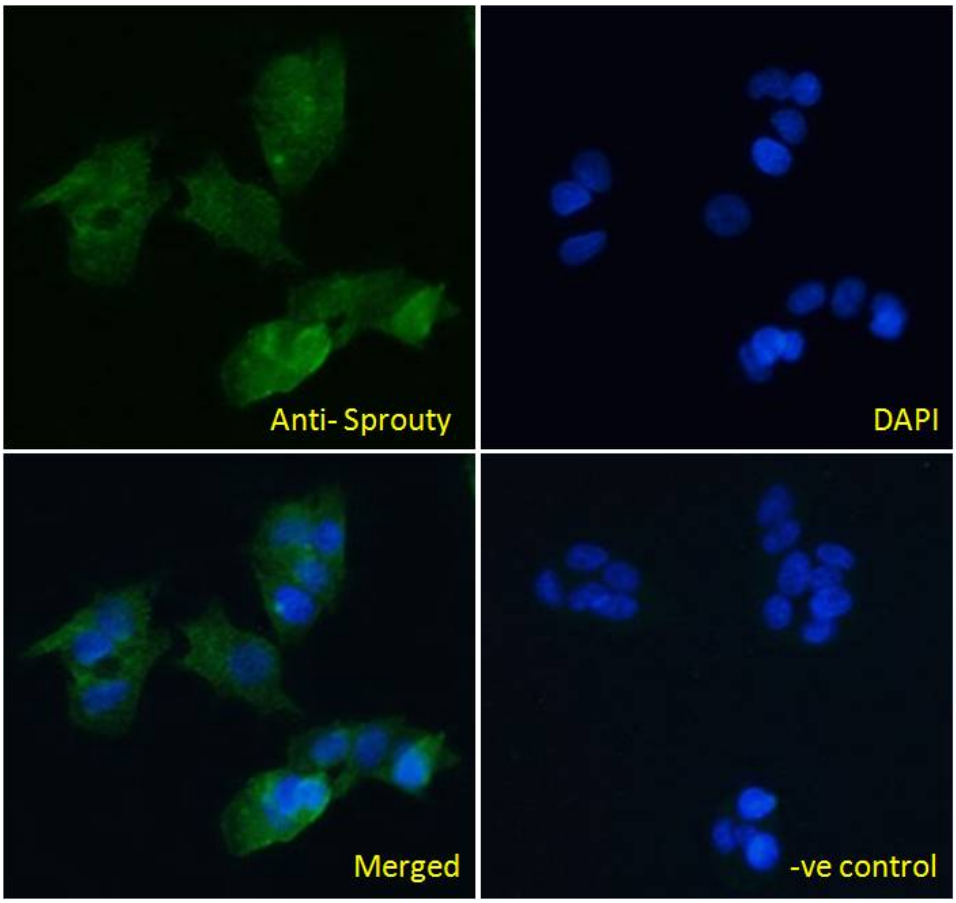
Tested: Human, Mouse
Expected from sequence similarity: Human



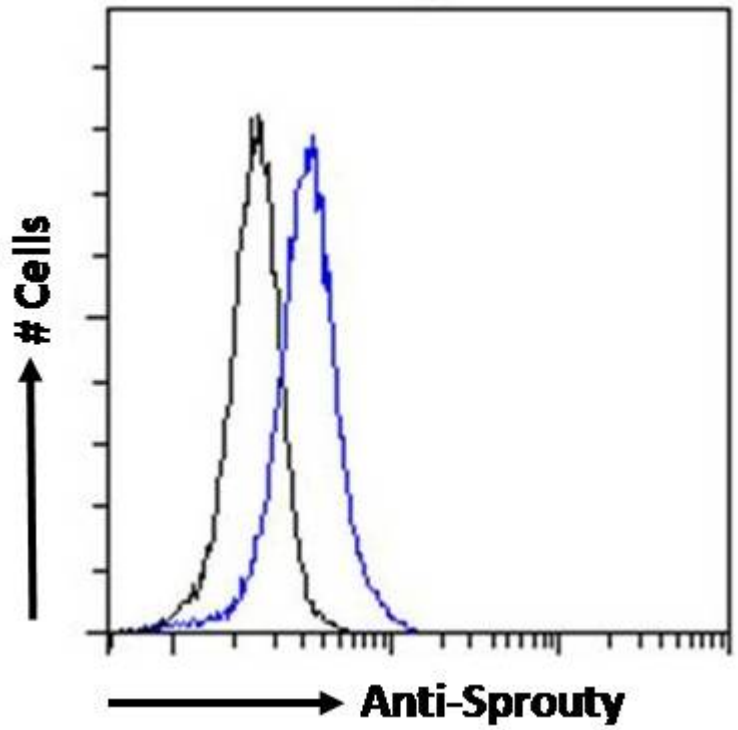
EB06432 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized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