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EB07032 - Goat Anti-SHH Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: SHH, sonic hedgehog homolog (Drosophila), HGNC:10848, HHG1, HLP3, HPE3, SMMCI, sonic hedgehog
Official Symbol: SHH
Accession Number(s): NP_000184.1
Human GeneID(s): 6469

Immunogen

Peptide with sequence C-DSEALHPLGMAVK, from the C Terminus of the protein sequence according to NP_000184.1.

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

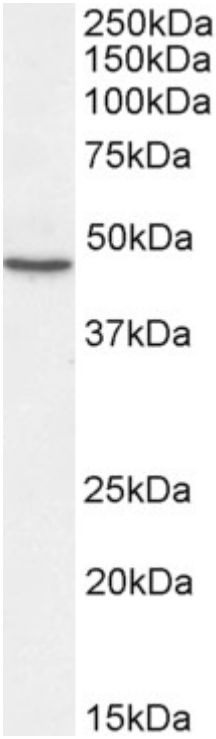
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 48kDa band observed in Human Liver lysates (calculated MW of 49.6kDa according to NP_000184.1 Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Rat Liver for this particular batch.

Immunofluorescence: Strong expression of the protein seen in the membranes of HeLa, U251 and NIH3T3 cells. Recommended concentration: 10µg/ml.

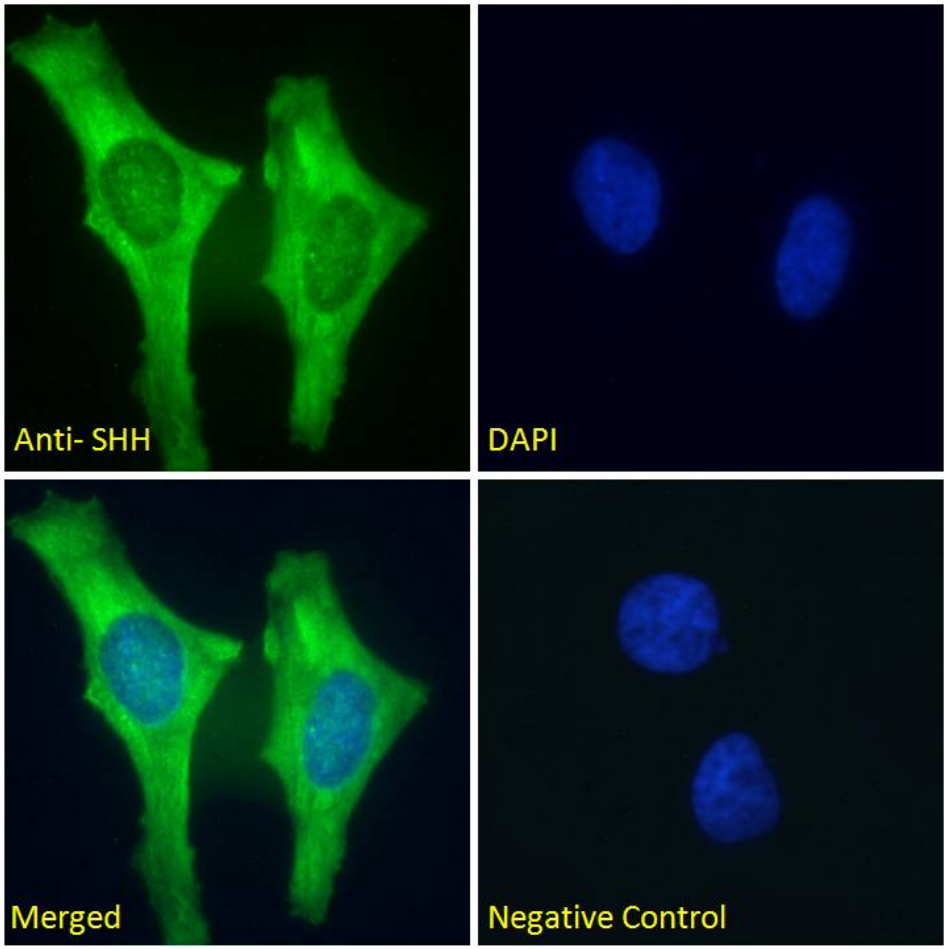
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human, Rat, Dog

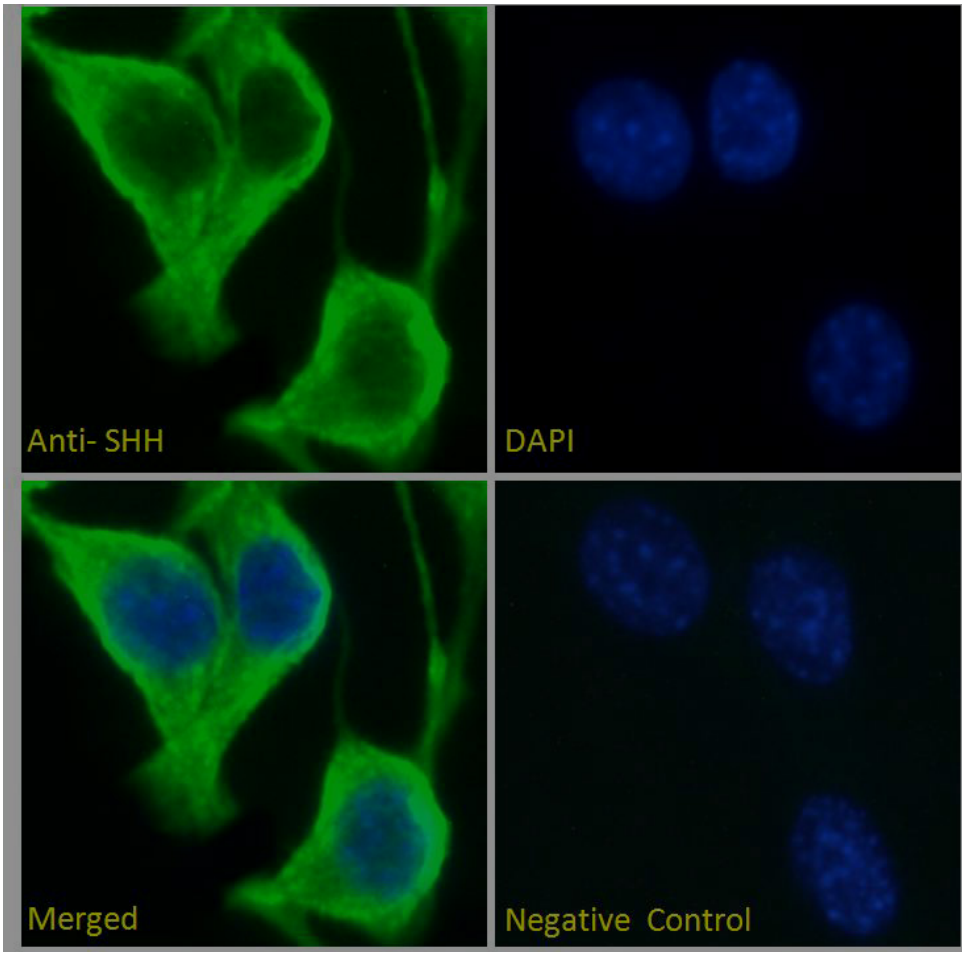


EB07032 (2µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

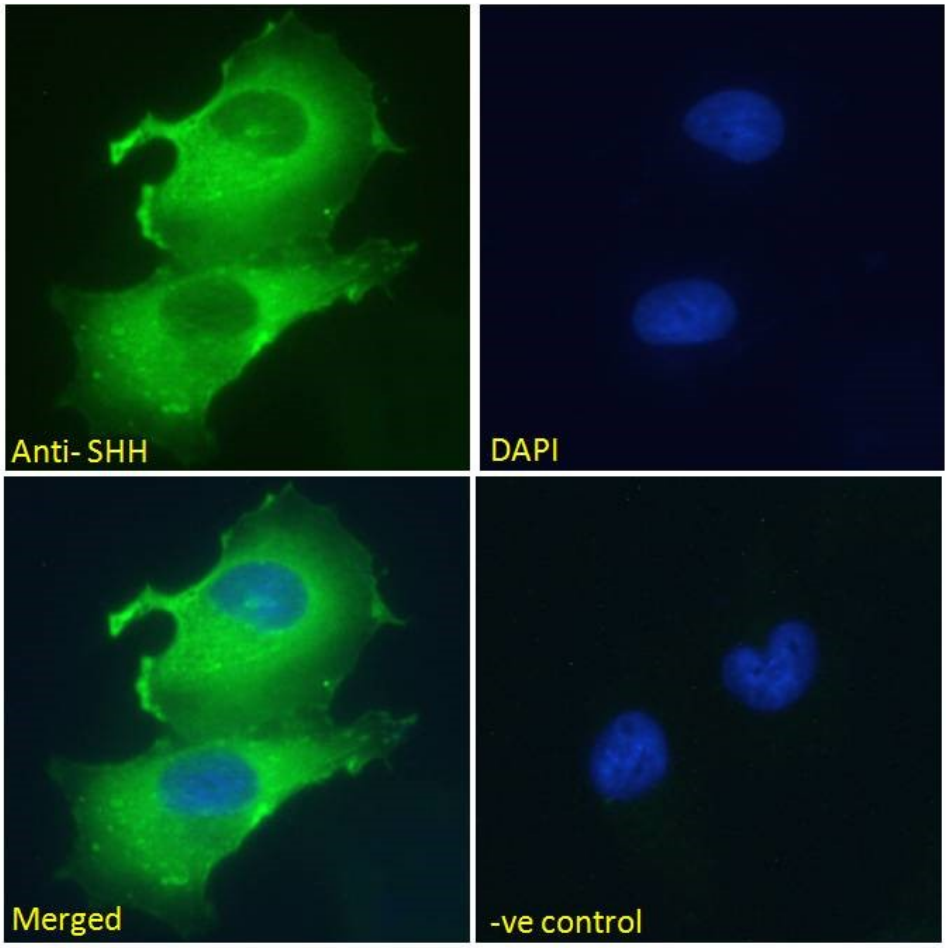


EB07032 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa

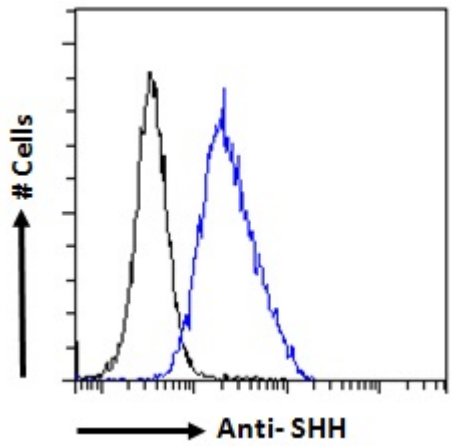
Fluor 488 secondary antibody (2ug/ml).



EB07032 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07032 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07032 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.