

UK Office

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries: info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona, CA 92065 USA

Inquiries: info@everestbiotech.com Sales: usasales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB05292 - Goat Anti-SIAH1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SIAH1, seven in absentia homolog 1 (Drosophila), Siah-1, hSIAH1, HUMSIAH, Siah-1a, FLJ08065, seven in absentia homolog 1, siah E3 ubiquitin protein ligase 1, SIAH1A Official Symbol: SIAH1 Accession Number(s): NP_003022.3; NP_001006611.1 Human GenelD(s): 6477 Non-Human GenelD(s): 20437 (mouse), 140941 (rat) Important Comments: This product is expected to recognize both reported isoforms (NP_003022.3; NP_001006611.1)

Immunogen

Peptide with sequence SRQTATALPTGTSKC, from the N Terminus of the protein sequence according to NP_003022.3; NP_001006611.1.

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 1:128000.

Western blot: Approx. 37kDa band observed in Human Liver lysates and approx. 30+37kDa bands in Rat Liver lysates (calculated MW of 34.6kDa according to Human NP_001006611.1 and 31.1kDa according to Rat NP_543181.2 and 38.2kDa according to Rat XP_038953364.1). Recommended concentration: 1-3ug/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nucleus and cytoplasm of U2OS and HepG2 cells. Recommended concentration: 10µg/ml.

Species Reactivity

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

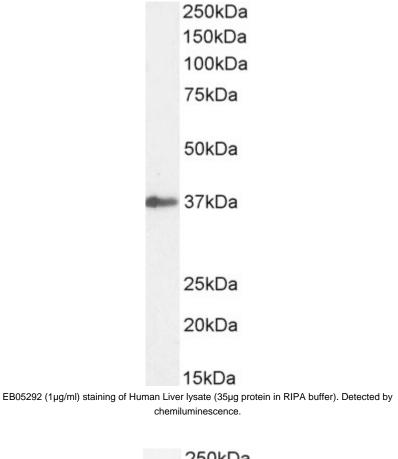
Specific References

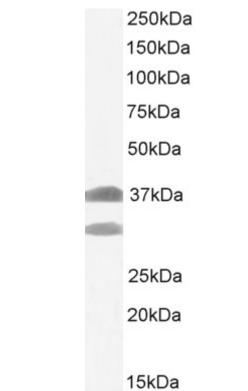
This antibody (previous batch) has been successfully used in WB and IP on Human:

Liman J, Sroka K, Dohm CP, Deeg S, Bähr M, Kermer P. Modulation of Huntingtin Toxicity by BAG1 is Dependent on an Intact BAG Domain. Molecules 2010, 15, 6678-6687 PMID: 0

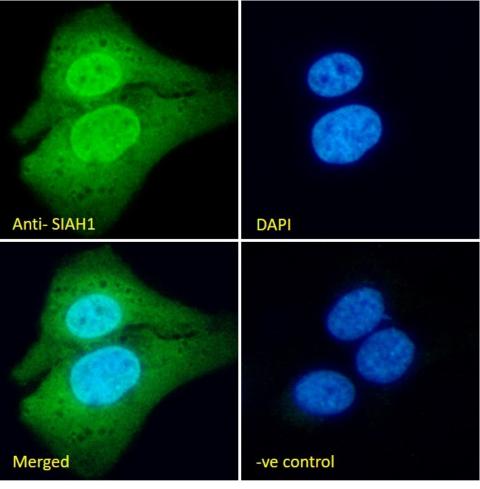
This antibody (previous batch) has been successfully used in Western blot on Drosophila:

Sroka K, Voigt A, Deeg S, Reed JC, Schulz JB, Bähr M, Kermer P. BAG1 modulates huntingtin toxicity, aggregation, degradation, and subcellular distribution. J Neurochem. 2009 Nov;111(3):801-7. PMID: 19712056

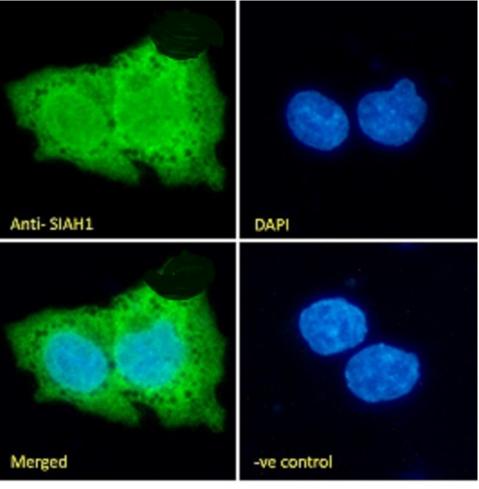




EB05292 (1µg/ml) staining of RatLiver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB05292 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody.



EB05292 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody