

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05292-T - Goat Anti-SIAH1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### 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 GeneID(s):** [6477](#)

**Non-Human GeneID(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: 1-3µg/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

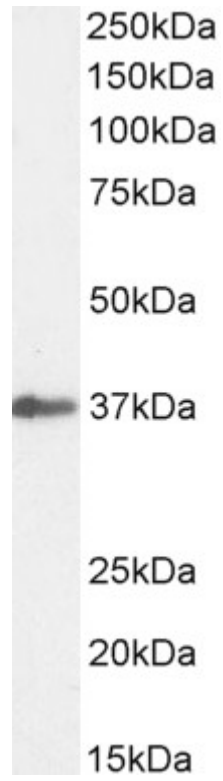
PMID: 0

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

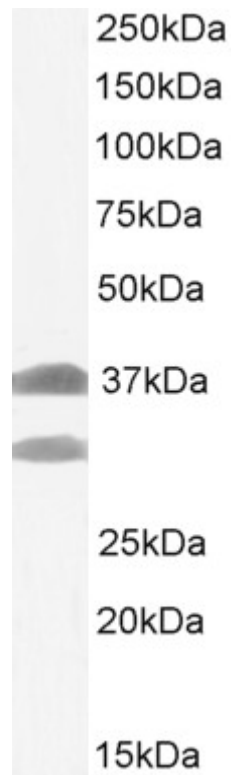
Sroka K, Voigt A, Deeg S, Reed JC, Schulz JB, Bähr M, Kermer P.

BAG1 modulates huntingtin toxicity, aggregation, degradation, and subcellular distribution.

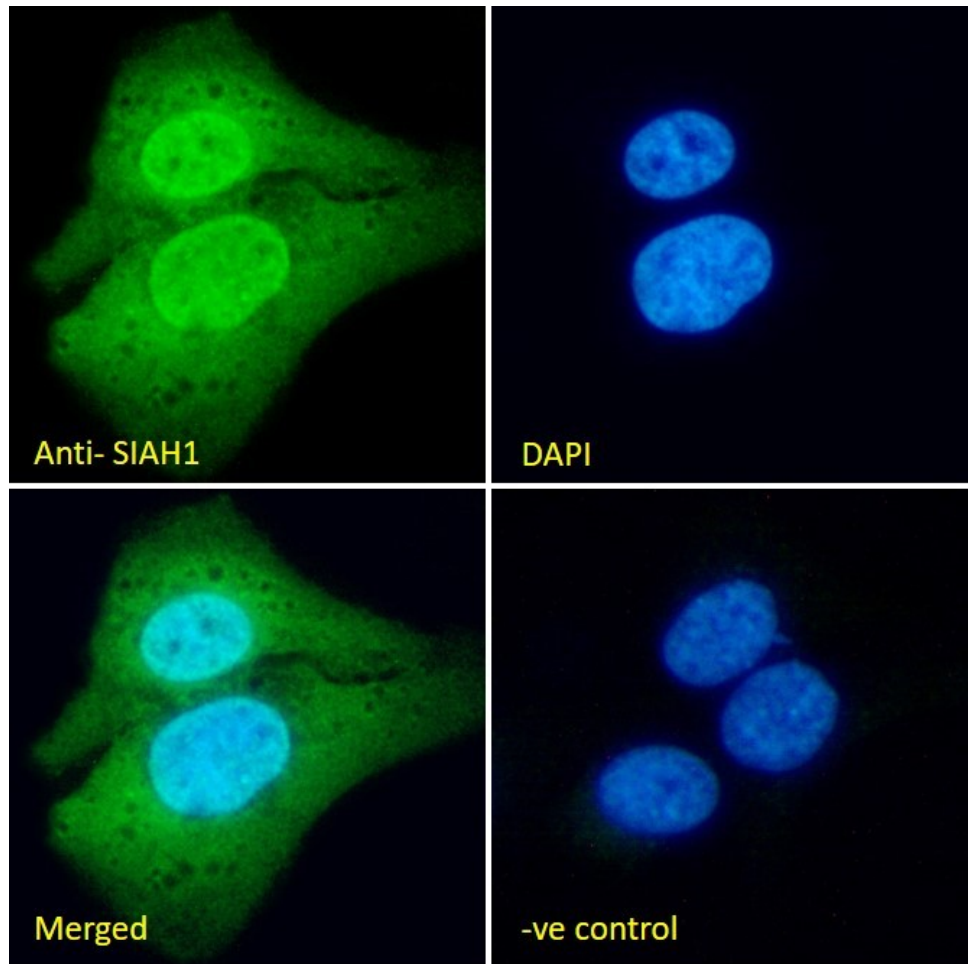
J Neurochem. 2009 Nov;111(3):801-7.  
PMID: 19712056



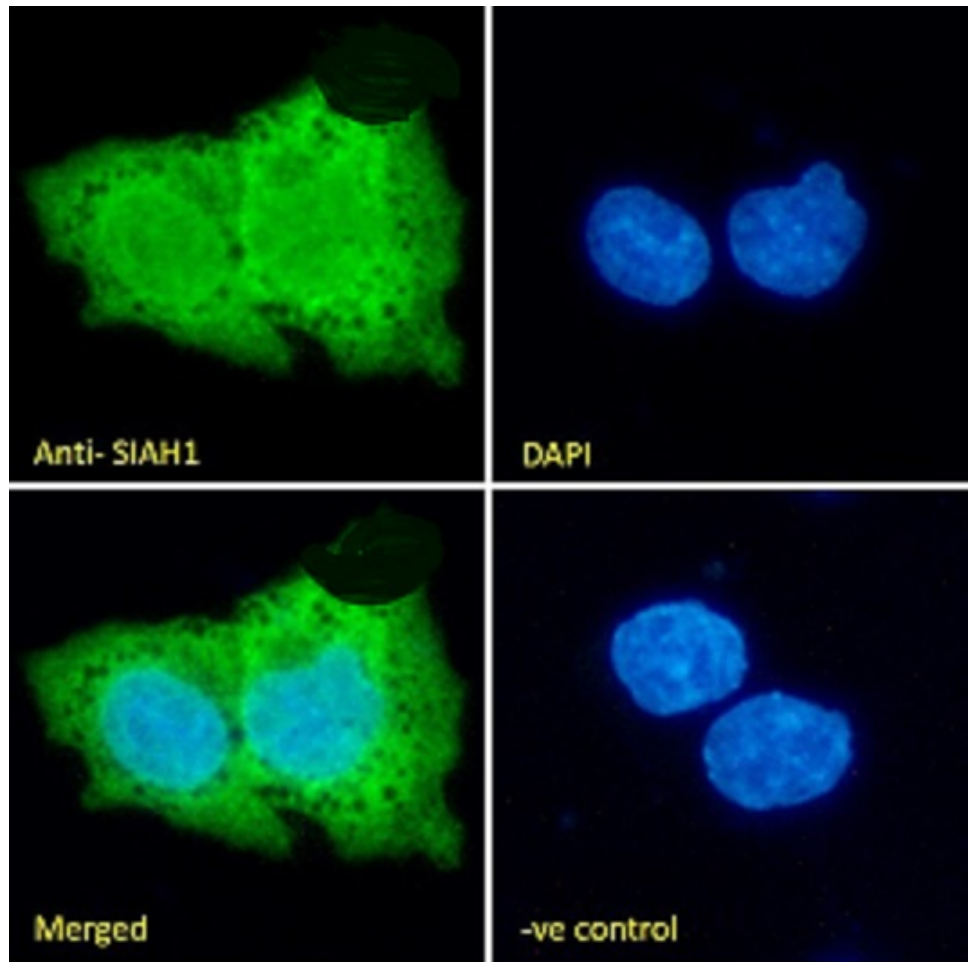
EB05292 (1 $\mu$ g/ml) staining of Human Liver lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB05292 (1 $\mu$ g/ml) staining of RatLiver lysate (35 $\mu$ g 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