

## Product datasheet for **TA302689**

### SIAH1 Goat Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | IF, WB   |
| Recommended Dilution:   | <b>WB:</b> 0.1-0.3µg/ml, 1 h at RT.<br>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).<br><b>Immunofluorescence:</b> 10µg/ml.<br>Strong expression of the protein seen in the nucleus and cytoplasm of U2OS and HepG2 cells. |
| Reactivity:             | Human, Rat (Expected from sequence similarity: Mouse, Dog, Cow)  |
| Host:                   | Goat   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Peptide with sequence SRQTATALPTGTSKC, from the N Terminus of the protein sequence according to NP_003022.3; NP_001006611.1.   |
| Formulation:            | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  |
| Concentration:          | lot specific   |
| Purification:           | 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.  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 34.4 kDa   |
| Gene Name:              | siah E3 ubiquitin protein ligase 1   |
| Database Link:          | <a href="#">NP_001006611</a><br><a href="#">Entrez Gene 140941 Rat</a> <a href="#">Entrez Gene 100856496 Dog</a> <a href="#">Entrez Gene 6477 Human</a><br><a href="#">Q8IUQ4</a>  |



[View online »](#)

**Background:** This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and induction of apoptosis. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq]

**Synonyms:** SIAH1A

**Protein Families:** Druggable Genome

**Protein Pathways:** p53 signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway

### Product images:



TA302689 staining (0.1 ug/ml) of Human Liver lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.