

**Goat anti-HSULF-1 / sulfatase 1 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4377a

**Specification**

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**Goat anti-HSULF-1 / sulfatase 1 Antibody - Product Information**

Application	<b>Pep-ELISA</b>
Primary Accession	<a href="#">Q8IWU6</a>
Other Accession	<a href="#">NP_055985.2</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>101027</b>

**Goat anti-HSULF-1 / sulfatase 1 Antibody - Additional Information**

**Gene ID** 23213

**Other Names**

SULF1; sulfatase 1; HSULF-1; SULF-1; extracellular sulfatase Sulf-1; sulfatase FP

**Format**

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.

**Immunogen**

Reported variants NP\_055985.2; NP\_001121676.1; NP\_001121677.1; NP\_001121678.1 represent identical protein

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-HSULF-1 / sulfatase 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-HSULF-1 / sulfatase 1 Antibody - Protein Information**

**Name** SULF1

**Synonyms** KIAA1077

**Function**

Exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity (PubMed:<a href="http://www.uniprot.org/citations/12368295" target="\_blank">12368295</a>, PubMed:<a href="http://www.uniprot.org/citations/12686563" target="\_blank">12686563</a>).

It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin (PubMed:[12368295](http://www.uniprot.org/citations/12368295), PubMed:[12686563](http://www.uniprot.org/citations/12686563)). Diminishes HSPG (heparan sulfate proteoglycans) sulfation, inhibits signaling by heparin-dependent growth factors, diminishes proliferation, and facilitates apoptosis in response to exogenous stimulation (PubMed:[12686563](http://www.uniprot.org/citations/12686563)).

**Cellular Location**

Endoplasmic reticulum {ECO:0000250|UniProtKB:Q8VI60}. Golgi apparatus, Golgi stack {ECO:0000250|UniProtKB:Q8VI60}. Cell surface

**Tissue Location**

Expressed at highest levels in testis, stomach, skeletal muscle, lung, kidney, pancreas, small intestine and colon. It is also detected in normal ovarian surface epithelial cells. Down-regulation seen in ovarian carcinoma cell lines, ovarian cancers, breast, pancreatic, renal and hepatocellular carcinoma cell lines

**Goat anti-HSULF-1 / sulfatase 1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-HSULF-1 / sulfatase 1 Antibody - Images**