

Rabbit Steroid sulfatase Polyclonal Antibody | anti-STS antibody

Steroid sulfatase Antibody

CATALOG # AAA329093	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Bovine(100%), Sheep(88%)	APPLICATIONS ELISA
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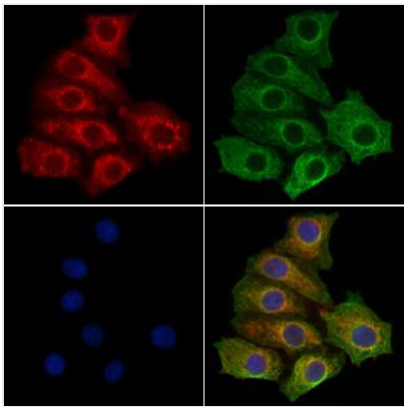
PRODUCT SYNONYMS

Steroid sulfatase; Polyclonal Antibody; Steroid sulfatase Antibody; ARSC; ARSC1; Arylsulfatase C; Arylsulfatase C isozyme S; ASC; EC 3.1.6.2; ES; Estrone sulfatase; SSDD; Steroid sulfatase (microsomal); Steroid sulfatase (microsomal) arylsulfatase C isozyme S; Steryl sulfatase; Steryl sulfatase precursor; Steryl sulfate sulfohydrolase; Steryl-sulfatase; Steryl-sulfate sulfohydrolase; STS; STS_HUMAN; anti-STS antibody

PRODUCT SPECIFICATIONS

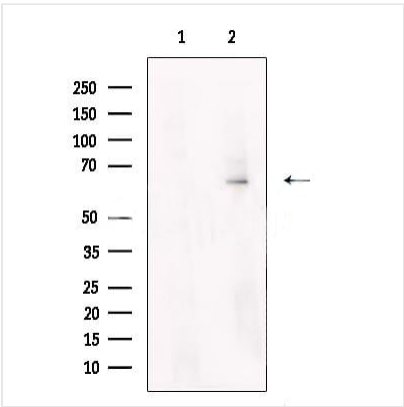
Host	Rabbit
Reactivity	Human Predicted Reactivity: Bovine(100%), Sheep(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Steroid sulfatase Antibody detects endogenous levels of total Steroid sulfatase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	583
Applicable Applications for anti-STS antibody	ELISA
Immunogen	A synthesized peptide derived from human Steroid sulfatase, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329093 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329093) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from Human Placental, using Steroid sulfatase Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-STS antibody	Function: Catalyzes the conversion of sulfated steroid precursors, such as dehydroepiandrosterone sulfate (DHEA-S) and estrone sulfate to the free steroid.
	Post Translational Modifications: The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity.
	Subcellular Location: Cytoplasmic vesicle>Secretory vesicle>Microneme membrane>Multi-pass membrane protein. Endoplasmic reticulum membrane>Multi-pass membrane protein.
	Subunit Structure: Homodimer.
	Similarity: Belongs to the sulfatase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53831991
NCBI GeneID	412
NCBI Accession #	NP_000342.2
NCBI GenBank Nucleotide #	NP_000342.2
UniProt Accession #	P08842
Molecular Weight	Observed Molecular Weight: (Observed)65kD. Predicted Molecular Weight: (Calculated)65kDa.
NCBI Official Full Name	sterol-sulfatase isoform 1
NCBI Official Synonym Full Names	steroid sulfatase
NCBI Official Symbol	STS
NCBI Official Synonym Symbols	ES; ASC; XLI; ARSC; SSDD; ARSC1
NCBI Protein Information	sterol-sulfatase
UniProt Protein Name	Steryl-sulfatase

UniProt Gene Name	STS
UniProt Synonym Gene Names	ARSC1; ASC
UniProt Entry Name	STS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/steroid-sulfatase-antibody-elisa/329093>