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Certificate of Analysis and Data Sheet

Goat Anti-Arylsulfatase C / STS

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0188

Accession Number
NP_000342.2

Target Protein

Principal Names: steryl-sulfate sulfohydrolase, steryl-sulfatase, estrone sulfatase, SSDD, ES, ASC, ARSC1, ARSC, steroid sulfatase (microsomal), isozyme S, arylsulfatase C, STS

Official Symbol: STS

Accession Number(s): NP_000342.2

Human GeneID(s): 412

Immunogen

Peptide with sequence **C-QAGQKIDEPTSN**, from the internal region of the protein sequence according to NP_000342.2.

Purification and Storage

Purified from goat serum by ammonium sulfate 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 1:32000.

Western blot: Approx 70kDa band observed in Human Placenta lysates (calculated MW of 65.5kDa according to NP_000342.2). Recommended concentration: 0.01-0.03µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Background Reference

Stowell CL, Barvian KK, Young PC, Bigsby RM, Verdugo DE, Bertozzi CR, Widlanski TS.

A role for sulfation-desulfation in the uptake of bisphenol a into breast tumor cells.

Chem Biol. 2006 Aug;13(8):891-7.

PMID: 16931338

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Not for diagnostic or therapeutic use.**



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Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Imagine



ER-14-0188 (0.01 μ g/ml) staining of Human Placenta lysate (35 μ g protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

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