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Goat Anti-Arylsulfatase C / STS Antibody
Peptide-affinity purified goat antibody
Catalog # AF1115a

Specification

Goat Anti-Arylsulfatase C / STS Antibody - Product Information

Application	**WB**
Primary Accession	P08842
Other Accession	NP_000342, 412
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**65492**

Goat Anti-Arylsulfatase C / STS Antibody - Additional Information

Gene ID 412

Other Names
Steryl-sulfatase, 3.1.6.2, Arylsulfatase C, ASC, Steroid sulfatase, Steryl-sulfate sulfohydrolase, STS, ARSC1

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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-Arylsulfatase C / STS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Arylsulfatase C / STS Antibody - Protein Information

Name STS

Synonyms ARSC1

Function
Catalyzes the conversion of sulfated steroid precursors, such as dehydroepiandrosterone sulfate (DHEA-S) and estrone sulfate to the free steroid.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, microneme membrane; Multi-pass membrane protein
Endoplasmic reticulum membrane; Multi-pass membrane protein

Goat Anti-Arylsulfatase C / STS 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 Cytomety
- Cell Culture

Goat Anti-Arylsulfatase C / STS Antibody - Images

AF1115a (0.01 µg/ml) staining of Human Placenta lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Arylsulfatase C / STS Antibody - Background

The protein encoded by this gene catalyzes the conversion of sulfated steroid precursors to estrogens during pregnancy. The encoded protein is found in the endoplasmic reticulum, where it acts as a homodimer. Mutations in this gene are known to cause X-linked ichthyosis (XLI).

Goat Anti-Arylsulfatase C / STS Antibody - References

Analysis of the STS gene in 40 patients with recessive X-linked ichthyosis: a high frequency of partial deletions in a Spanish population. Ca□ueto J, et al. J Eur Acad Dermatol Venereol, 2010 Mar 4. PMID 20236202.
Genetic variation in the estrogen metabolic pathway and mammographic density as an intermediate phenotype of breast cancer. Li J, et al. Breast Cancer Res, 2010. PMID 20214802.
Increased estrogen sulfatase (STS) and 17beta-hydroxysteroid dehydrogenase type 1(17beta-HSD1) following neoadjuvant aromatase inhibitor therapy in breast cancer patients. Chanplakorn N, et al. Breast Cancer Res Treat, 2010 Apr. PMID 20151319.
Evidence for genetic modifiers other than filaggrin mutations in X-linked ichthyosis. Gruber R, et al. J Dermatol Sci, 2010 Apr. PMID 20149601.
Genes related to sex steroids, neural growth, and social-emotional behavior are associated with autistic traits, empathy, and Asperger syndrome. Chakrabarti B, et al. Autism Res, 2009 Jun. PMID

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