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Steroid sulfatase Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58101

Specification

Steroid sulfatase Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	P08842
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**62 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human Steroid sulfatase**
Epitope Specificity	**51-150/583**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Endoplasmic reticulum membrane; Multi-pass membrane protein.**
SIMILARITY	**Belongs to the sulfatase family.**
SUBUNIT	**Homodimer.**
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.**
DISEASE	**Defects in STS are the cause of ichthyosis X-linked (IXL) [MIM:308100]. Ichthyosis X-linked is a keratinization disorder manifesting with mild erythroderma and generalized exfoliation of the skin within a few weeks after birth. Affected boys later develop large, polygonal, dark brown scales, especially on the neck, extremities, trunk, and buttocks.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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). [provided by RefSeq, Jul 2008].

Steroid sulfatase Polyclonal Antibody - Additional Information

Gene ID 412

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

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

Steroid sulfatase Polyclonal 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

Steroid sulfatase Polyclonal 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

Steroid sulfatase Polyclonal Antibody - Images

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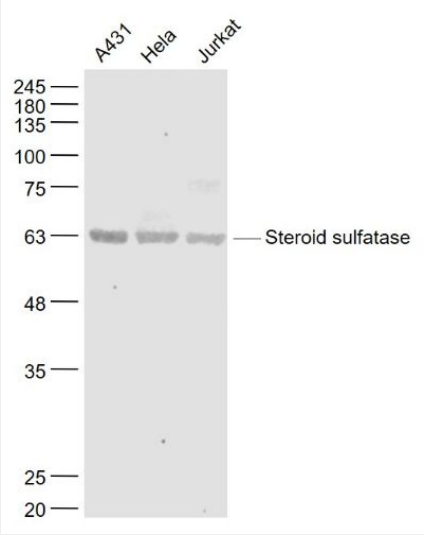

Sample:
A431(Human) Cell Lysate at 30 ug
Hela(Human) Cell Lysate at 30 ug
Jurkat(Human) Cell Lysate at 30 ug
Primary: Anti- Steroid sulfatase (bs-3857R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kD
Observed band size: 63 kD