

Product datasheet

Anti-Steroid sulfatase antibody ab233233

★★★★★ 1 Abreviews 5 Images

Overview

<b>Product name</b>	Anti-Steroid sulfatase antibody
<b>Description</b>	Rabbit polyclonal to Steroid sulfatase
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment (His-T7-tag) corresponding to Human Steroid sulfatase aa 235-583. Expressed in E. coli. N-terminal tags. 2nd Lumenal domain.

Sequence:

```
HYFRPLNCFMMRNYEIIQQPMSYDNLQRLTVEAAQFIQ
RNTETPFLLVL
SYLHVHTALFSSKDFAGKSQHGVIYGDVEEMDWSVG
QILNLLDELRLAND
TLIYFTSDQGAHVVEVSSKGEIHGGSNIGYKGGKANNW
EGGIRVPGILRW
PRVIQAGQKIDEPTSNMDIFPTVAKLAGAPLPEDRIIDG
RDLMPLEGGKS
QRSDHEFLFHVCNAYLNAVRWHPQNSTSIWKAFFFTP
NFPVGSNGCFAT
HVCFCFGSYVTHHDPPLLFDISKDPRERNPLTASEP
RFYEILKVMQEAA
DRHTQTLPEVPDQFSWNNFLWKPWLQLCCPSTGLSC
QCDREKQDKRLSR
```

Database link: [P08842](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

<b>Positive control</b>	IHC-P: Human liver tissue. WB: Recombinant human Steroid sulfatase protein. Mouse testis and placenta lysate; Human serum.
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Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

<b>Storage buffer</b>	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal

## Applications

Our [Abpromise guarantee](#) covers the use of **ab233233** in the following tested applications.

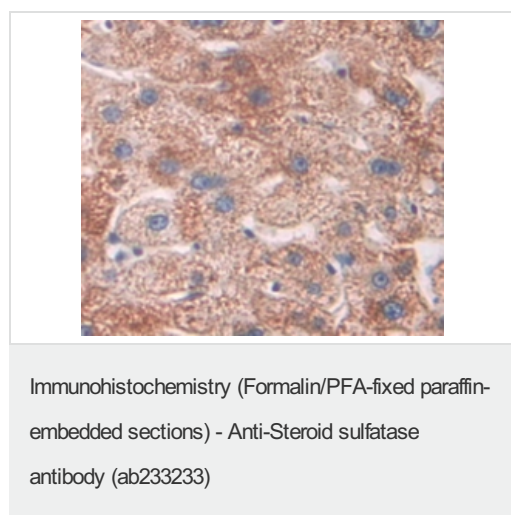
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 65 kDa.

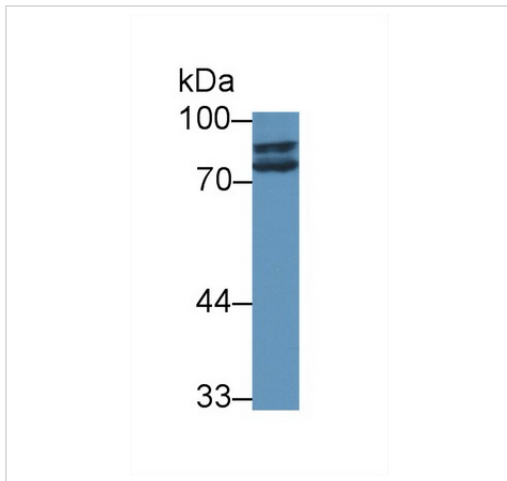
## Target

<b>Function</b>	Conversion of sulfated steroid precursors to estrogens during pregnancy.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the sulfatase family.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Endoplasmic reticulum membrane.

## Images



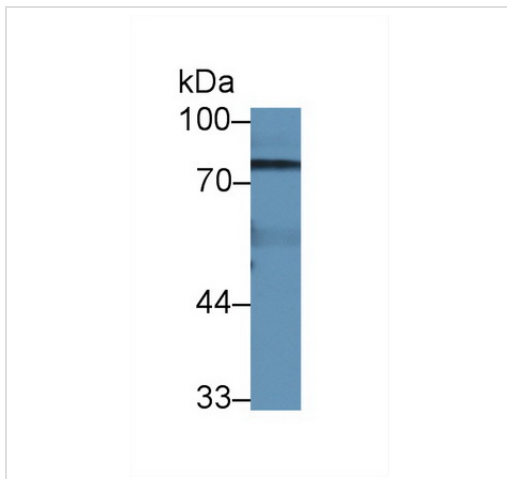
Formalin-fixed, paraffin-embedded human liver tissue stained for Steroid sulfatase with ab233233 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-Steroid sulfatase antibody  
(ab233233)

Anti-Steroid sulfatase antibody (ab233233) at 1 µg/ml + Mouse testis tissue lysate

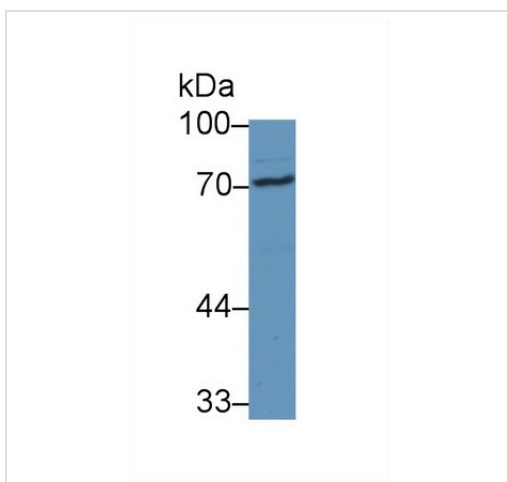
**Predicted band size:** 65 kDa



Western blot - Anti-Steroid sulfatase antibody  
(ab233233)

Anti-Steroid sulfatase antibody (ab233233) at 1 µg/ml + Human serum

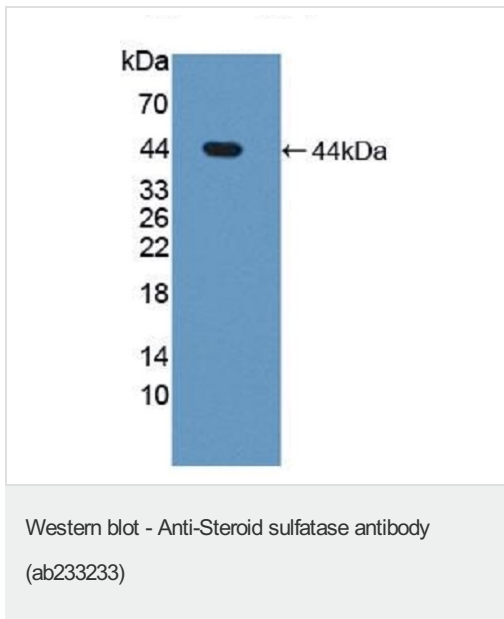
**Predicted band size:** 65 kDa



Western blot - Anti-Steroid sulfatase antibody  
(ab233233)

Anti-Steroid sulfatase antibody (ab233233) at 1 µg/ml + Mouse placenta tissue lysate

**Predicted band size:** 65 kDa



Anti-Steroid sulfatase antibody (ab233233) at 1 µg/ml +  
Recombinant human Steroid sulfatase protein

**Predicted band size:** 65 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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