Datasheet for ABIN2776951

anti-STS antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	STS
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human STS
Sequence:	LLFDISKDPR ERNPLTPASE PRFYEILKVM QEAADRHTQT LPEVPDQFSW
Predicted Reactivity:	Cow: 100%, Guinea Pig: 77%, Horse: 100%, Human: 100%, Rat: 77%
Characteristics:	This is a rabbit polyclonal antibody against STS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	STS
Alternative Name:	STS (STS Products)

Target Details

Background:	STS catalyzes the conversion of sulfated steroid precursors to estrogens during pregnancy. The protein is found in the endoplasmic reticulum, where it acts as a homodimer. Mutations in its gene are known to cause X-linked ichthyosisThe 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). Alias Symbols: ARSC, ARSC1, ASC, ES, SSDD, XLI Protein Size: 583
Molecular Weight:	64 kDa
Gene ID:	412
NCBI Accession:	NM_000351, NP_000342
UniProt:	P08842
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 583 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

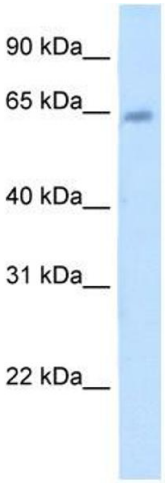
Handling

aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting, Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: **Nucleic acids research**, Vol. 34, Issue Database issue, pp. D415-8, (2005) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-STS Antibody Titration: 5.0ug/ml Positive Control: Human Placenta