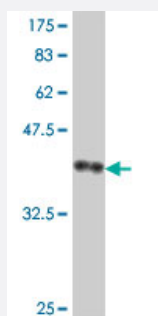


STS polyclonal antibody (A01)

Catalog # H00000412-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.44 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant STS.
Immunogen	STS (NP_000342, 248 a.a. ~ 350 a.a) partial recombinant protein with GST tag.
Sequence	YEIIQQPMSYDNLQRLTVEAAQFIQRNTETPFLLVLSYLVHTALFSSKDFAGKSQHGVDAAVEE MDWSVGQILNLLDELRLANDTLIYFTSDQGAHVEEV
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.44 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — STS

Entrez GeneID [412](#)

GeneBank Accession# [NM_000351](#)

Protein Accession# [NP_000342](#)

Gene Name STS

Gene Alias ARSC, ARSC1, ASC, ES, SSDD

Gene Description steroid sulfatase (microsomal), isozyme S

Omim ID [308100](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000022868|aryl sulfatase C|estrone sulfatase|steryl-sulfatase|steryl-sulfate sulfohydrolase

Publication Reference

- [Validation of murine and human placental explant cultures for use in sex steroid and phase II conjugation toxicology studies.](#)

Sato BL, Ward MA, Astern JM, Kendal-Wright CE, Collier AC.

Toxicology in Vitro 2015 Feb; 29(1):103.

Application: WB-Ti, Human, Placental

- [In situ levels of oestrogen producing enzymes and its prognostic significance in postmenopausal breast cancer patients.](#)

Licznerska BE, Wegman PP, Nordenskjold B, Wingren S.

Breast Cancer Research and Treatment 2007 Nov; 112(1):15.

Application: IHC-P, Human, Postmenopausal patients with a breast cancer

Pathway

- [Androgen and estrogen metabolism](#)

Disease

- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Ichthyosis](#)
- [Polycystic Ovary Syndrome](#)
- [Social Perception](#)