

ARG42643 anti-STS / Arylsulfatase C antibody

Package: 50 µg
Store at: -20°C

Summary

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| Product Description | Rabbit Polyclonal antibody recognizes STS / Arylsulfatase C |
| Tested Reactivity | Hu |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | STS / Arylsulfatase C |
| Species | Human |
| Immunogen | Recombinant protein corresponding to K297-E396 of Human STS / Arylsulfatase C. |
| Conjugation | Un-conjugated |
| Alternate Names | XLI; ARSC; Steroid sulfatase; SSDD; Steryl-sulfate sulfohydrolase; ASC; Steryl-sulfatase; Arylsulfatase C; EC 3.1.6.2; ARSC1; ES |

Application Instructions

| | | |
|-------------------|--|----------------|
| Application table | Application | Dilution |
| | WB | 1:500 - 1:2000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | ~ 65 kDa | |

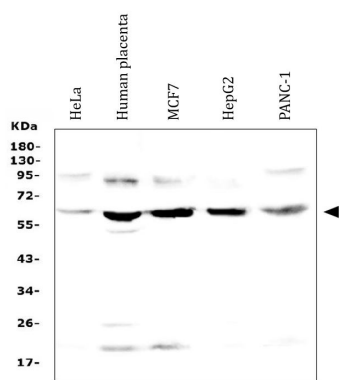
Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | STS |
| Gene Full Name | steroid sulfatase (microsomal), isozyme S |
| Background | This gene encodes a multi-pass membrane protein that is localized to the endoplasmic reticulum. It belongs to the sulfatase family and hydrolyzes several 3-beta-hydroxysteroid sulfates, which serve as metabolic precursors for estrogens, androgens, and cholesterol. Mutations in this gene are associated with X-linked ichthyosis (XLI). Alternatively spliced transcript variants resulting from the use of different promoters have been described for this gene (PMID:17601726). [provided by RefSeq, Mar 2016] |
| Function | Catalyzes the conversion of sulfated steroid precursors, such as dehydroepiandrosterone sulfate (DHEA-S) and estrone sulfate to the free steroid. [UniProt] |
| Calculated Mw | 65 kDa |
| PTM | 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. [UniProt] |
| Cellular Localization | Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt] |

Images



ARG42643 anti-STS / Arylsulfatase C antibody WB image

Western blot: 50 µg of samples under reducing conditions. HeLa, Human placenta, MCF7, HepG2 and PANC-1 whole cell lysates stained with ARG42643 anti-STS / Arylsulfatase C antibody at 0.5 µg/ml dilution, overnight at 4°C.