

CoraLite®594-conjugated STAR Monoclonal antibody

Catalog Number: **CL594-67130**

Basic Information

Catalog Number:

CL594-67130

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28698

GenBank Accession Number:

BC010550

GeneID (NCBI):

6770

UNIPROT ID:

P49675

Full Name:

steroidogenic acute regulatory
protein

Calculated MW:

285 aa, 32 kDa

Observed MW:

28-32 kDa

Purification Method:

Protein G purification

CloneNo.:

1G6E6

Recommended Dilutions:

IF-P 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P: mouse testis tissue,

Background Information

Steroidogenic acute regulatory protein (StAR) is a key player in acute regulation of hormone-induced steroidogenesis, by facilitating cholesterol transport from cellular stores to inner mitochondria membrane where the cholesterol was converted to pregnenolone. StAR is prevalently expressed in mitochondria of steroid-producing adrenal and gonadal tissue

Storage

Storage:

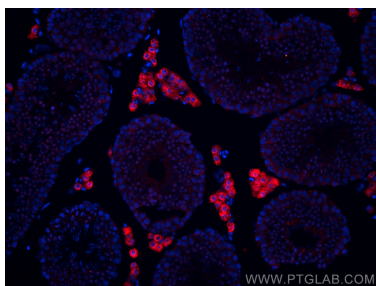
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

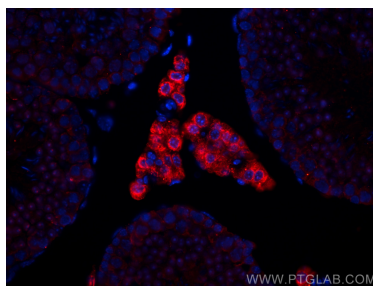
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

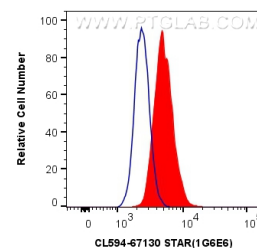
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®594 STAR antibody (CL594-67130, Clone: 1G6E6) at dilution of 1:200.



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1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human STAR (CL594-67130, Clone:1G6E6) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).