

LSS/OSC Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57082**Specification****LSS/OSC Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P48449
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83309

LSS/OSC Polyclonal Antibody - Additional Information**Gene ID** 4047**Other Names**

Lanosterol synthase, 5.4.99.7, 2, 3-epoxysqualene--lanosterol cyclase, Oxidosqualene--lanosterol cyclase, OSC, hOSC, LSS, OSC

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

LSS/OSC Polyclonal Antibody - Protein Information**Name** LSS**Synonyms** OSC**Function**

Key enzyme in the cholesterol biosynthesis pathway. Catalyzes the cyclization of (S)-2,3 oxidosqualene to lanosterol, a reaction that forms the sterol nucleus (PubMed: [14766201](http://www.uniprot.org/citations/14766201), PubMed: [26200341](http://www.uniprot.org/citations/26200341), PubMed: [7639730](http://www.uniprot.org/citations/7639730)). Through the production of lanosterol may regulate lens protein aggregation and increase transparency (PubMed: [26200341](http://www.uniprot.org/citations/26200341)).

Cellular Location

Endoplasmic reticulum membrane; Peripheral membrane protein

Tissue Location

Widely expressed. Expressed in the hair bulb, the outer root sheath and hair matrix of the hair follicle epithelium. Also detected in dermal papilla, epidermis, sweat glands, sebaceous glands, and blood vessels.

LSS/OSC Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LSS/OSC Polyclonal Antibody - Images