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LSS/OSC Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57082

Product Information

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

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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, PubMed:26200341, PubMed:7639730). Through the production of lanosterol may regulate lens protein aggregation and increase transparency (PubMed: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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.