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Squalene Epoxidase Rabbit pAb

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Catalog # AP58135

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q14534
Reactivity	Rat, Human
Predicted	Pig, Dog, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63923
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Squalene Epoxidase
Epitope Specificity	101-200/574
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This protein catalyzes the first oxygenation step in sterol biosynthesis and is suggested to be one of the rate-limiting enzymes in this pathway.

Additional Information

Gene ID	6713
Other Names	Squalene monooxygenase, 1.14.14.17, Squalene epoxidase, SE, SQLE, ERG1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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

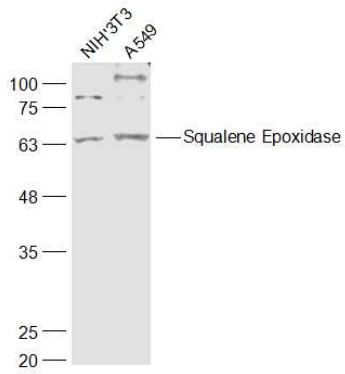
Name	SQLE
Synonyms	ERG1
Function	Catalyzes the stereospecific oxidation of squalene to (S)- 2,3-epoxysqualene,

	and is considered to be a rate-limiting enzyme in steroid biosynthesis.
Cellular Location	Microsome membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein
Tissue Location	Detected in liver (at protein level).

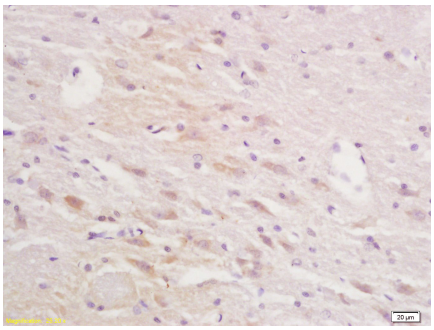
Background

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Images



Sample:
NIH/3T3(Mouse) Cell Lysate at 30 ug
A549(Human) Cell Lysate at 30 ug
Primary: Anti-Squalene Epoxidase (AP58135) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 64 kD
Observed band size: 64 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-Squalene Epoxidase Polyclonal Antibody, Unconjugated(AP58135) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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