

## SQLE

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:20 - 1:50

**Calculated MW:**64kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human SQLE

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

FLJ30795; Squalene monooxygenase;SQLE;ERG1;

**Catalog #:**A2428

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6713

**Isotype:**IgG

**Swiss Prot:**Q14534

**Purity:**Affinity purification

For research use only.

**Background:**

SQLE, also named as ERG1, SE and SM, belongs to the squalene monooxygenase family. It catalyzes the first oxygenation step in cholesterol synthesis, acting on squalene before cyclization into the basic steroid structure. SQLE may serve as a flux-controlling enzyme beyond 3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMGR, considered as rate limiting). It is also posttranslationally regulated by cholesterol-dependent proteasomal degradation.(PMID:21356516)  
The MW of SQLE is about 64kd.

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