

SC5DL rabbit monoclonal antibody

Catalog # H00006309-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SC5DL peptide using ARM Technology.
Immunogen	A synthetic peptide of human SC5DL is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SC5DL peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SC5DL

Entrez GeneID	6309
GeneBank Accession#	SC5DL
Gene Name	SC5DL
Gene Alias	ERG3, S5DES, SC5D
Gene Description	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like
Omim ID	602286 607330
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme of cholesterol biosynthesis. The encoded protein catalyzes the conversion of lathosterol into 7-dehydrocholesterol. Mutations in this gene have been associated with lathosterolosis. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]
Other Designations	3beta-hydroxysteroid-delta5-desaturase delta-5-desaturase fungal ERG3, delta-5-desaturase-like lathosterol 5-desaturase lathosterol dehydrogenase lathosterol oxidase sterol C5-desaturase-like sterol-C5-desaturase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)

- [Tobacco Use Disorder](#)