DEGS1 rabbit monoclonal antibody

Catalog # H00008560-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DEGS1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human DEGS1 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 DEGS1 peptide by ELISA and mammalian transfected lysate by W estern 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — DEGS1

Entrez GeneID	8560
GeneBank Accession#	DEGS1
Gene Name	DEGS1
Gene Alias	DEGS, DES1, Des-1, FADS7, MGC5079, MIG15, MLD
Gene Description	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the membrane fatty acid desaturase family which is responsible for inserting double bonds into specific positions in fatty acids. This protein contains three His-containing consensus motifs that are characteristic of a group of membrane fatty acid desaturases. It is predicted to be a multiple membrane-spanning protein localized to the endoplasmic reticulum. Overexpression of this gene inhibited biosynthesis of the EGF receptor, suggesting a possible role of a fatty acid desaturase in regulating biosynthetic processing of the EGF receptor. Two splice variants have been identified. [provided by RefSeq
Other Designations	OTTHUMP00000035598|degenerative spermatocyte homolog 1, lipid desaturase|degenerative spermatocyte homolog, lipid desaturase|dihydroceramide desaturase|membrane fatty acid (lipid) desaturase|migration-inducing gene 15 protein|sphingolipid delta 4 desatura

Pathway

- Metabolic pathways
- Sphingolipid metabolism