

HGD rabbit monoclonal antibody

Catalog # H00003081-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HGD peptide using ARM Technology.
Immunogen	A synthetic peptide of human HGD 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 HGD 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 — HGD

Entrez GeneID	3081
GeneBank Accession#	HGD
Gene Name	HGD
Gene Alias	AKU, HGO
Gene Description	homogentisate 1,2-dioxygenase (homogentisate oxidase)
Omim ID	203500 607474
Gene Ontology	Hyperlink
Gene Summary	Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism. The highest expression of HGD is in the prostate, small intestine, colon, and liver. The HGD gene contains 14 exons. Conflicting reports have placed the gene at 3q2, 3q13.3-q21, 3q21-q24, 3q21-q23, or 3q25-q26. [provided by RefSeq]
Other Designations	homogentisate 1,2-dioxygenase homogentisicase

Pathway

- [Metabolic pathways](#)
- [Styrene degradation](#)
- [Tyrosine metabolism](#)