

## ARG58791 anti-HGD antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HGD
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HGD
Species	Human
Immunogen	Recombinant protein corresponding to D374-N445 of Human HGD.
Conjugation	Un-conjugated
Alternate Names	EC 1.13.11.5; AKU; HGO; Homogentisate 1,2-dioxygenase; Homogentisate oxygenase; Homogentisicase; Homogentisic acid oxidase

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

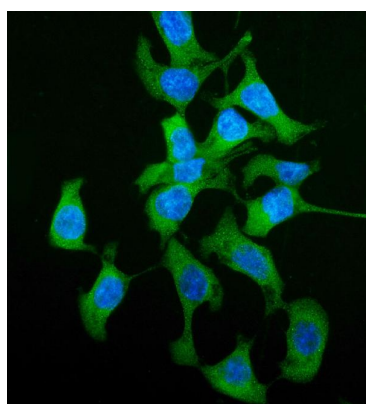
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

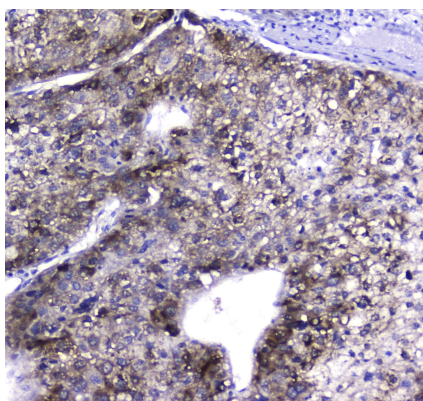
Gene Symbol	HGD
Gene Full Name	homogentisate 1,2-dioxygenase
Background	This gene encodes the enzyme homogentisate 1,2 dioxygenase. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria.[provided by RefSeq, May 2010]
Calculated Mw	50 kDa

## Images



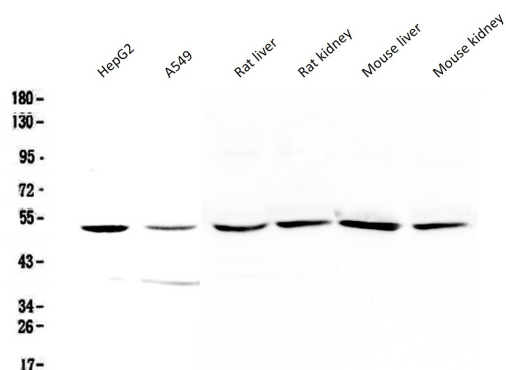
ARG58791 anti-HGD antibody ICC/IF image

Immunofluorescence: Caco-2 cells were blocked with 10% goat serum and then stained with ARG58791 anti-HGD antibody (green) at 5 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



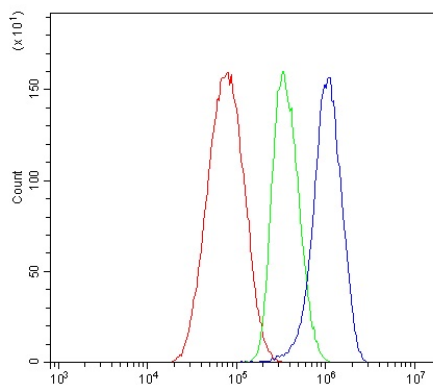
ARG58791 anti-HGD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58791 anti-HGD antibody at 2 µg/ml, overnight at 4°C.



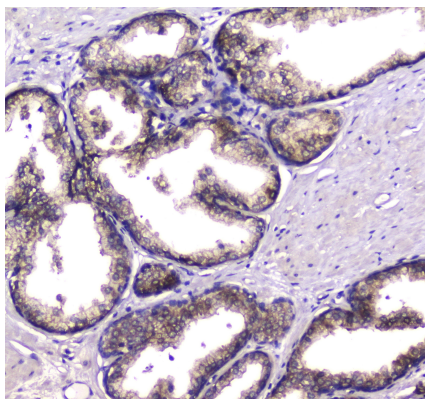
ARG58791 anti-HGD antibody WB image

Western blot: 50 µg of samples under reducing conditions. HepG2, A549, Rat liver, Rat kidney, Mouse liver and Mouse kidney lysates stained with ARG58791 anti-HGD antibody at 0.5 µg/ml, overnight at 4°C.



#### ARG58791 anti-HGD antibody FACS image

Flow Cytometry: HepG2 cells were blocked with 10% normal goat serum and then stained with ARG58791 anti-HGD antibody (blue) at  $1 \mu\text{g}/10^6$  cells for 30 min at  $20^\circ\text{C}$ , followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG ( $1 \mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



#### ARG58791 anti-HGD antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostatic cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58791 anti-HGD antibody at  $2 \mu\text{g}/\text{ml}$ , overnight at  $4^\circ\text{C}$ .