

# Product datasheet

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ARG58891 anti-IVD antibody

Package: 100 μl Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal antibody recognizes IVD

Tested Reactivity Hu, Ms, Rat

Tested Application IHC-P, WB

Host Rabbit

**Clonality** Polyclonal

Isotype  $\lg G$  Target Name  $\lg G$ 

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 33-200 of Human IVD (NP\_002216.2).

Conjugation Un-conjugated

Alternate Names IVD; ACAD2; EC 1.3.8.4; Isovaleryl-CoA dehydrogenase, mitochondrial

### **Application Instructions**

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse kidney	
Observed Size	42 kDa	

### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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. 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 IVD

Gene Full Name isovaleryl-CoA dehydrogenase

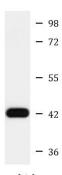
Background Isovaleryl-CoA dehydrogenase (IVD) is a mitochondrial matrix enzyme that catalyzes the third step in

leucine catabolism. The genetic deficiency of IVD results in an accumulation of isovaleric acid, which is toxic to the central nervous system and leads to isovaleric acidemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]

Calculated Mw 47 kDa

Cellular Localization Mitochondrion matrix. [UniProt]

## **Images**



#### ARG58891 anti-IVD antibody WB image

Western blot: 25  $\mu g$  of Mouse kidney lysate stained with ARG58891 anti-IVD antibody at 1:1000 dilution.

Mouse kidney