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Datasheet for ABIN7268031
anti-IVD antibody (AA 33-200)

4 Images

Overview

Quantity:	100 µL
Target:	IVD
Binding Specificity:	AA 33-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IVD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	IVD Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 33-200 of human IVD (NP_002216.2).
Sequence:	HSLLPVDDAI NGLSEEQRQL RQTMAKFLQE HLAPKAQEID RSNEFKNLRE FWKQLGNLGV LGITAPVQYG GSGLGYLEHV LVMEEISRAS GAVGLSYGAH SNLCINQLVR NGNEAQKEKY LPKLISGEYI GALAMSEPNA GSDVVSMKLLK AEKKGNYHIL NGNKFWIT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

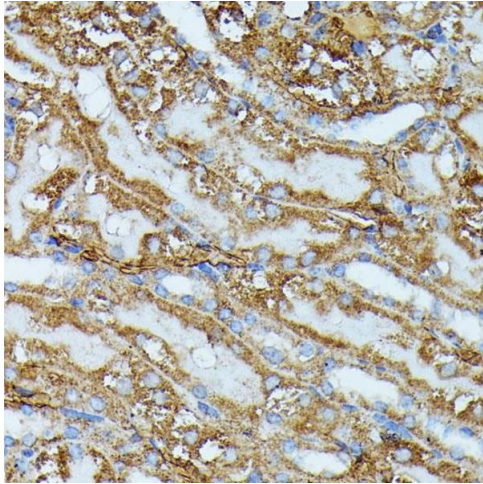
Target:	IVD
Alternative Name:	IVD (IVD Products)
Background:	Isovaleryl-CoA dehydrogenase (IVD) is a mitochondrial matrix enzyme that catalyzes the third step in leucine catabolism. The genetic deficiency of IVD results in an accumulation of isovaleric acid, which is toxic to the central nervous system and leads to isovaleric acidemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,IVD,ACAD2,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,IVD
Molecular Weight:	42kDa/46kDa
Gene ID:	3712
UniProt:	P26440
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB,1:200 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

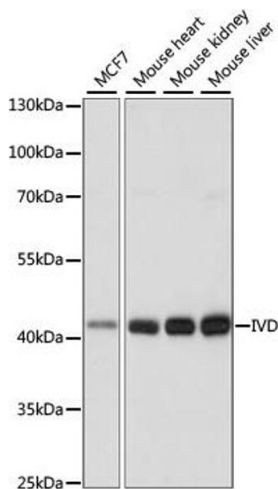
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



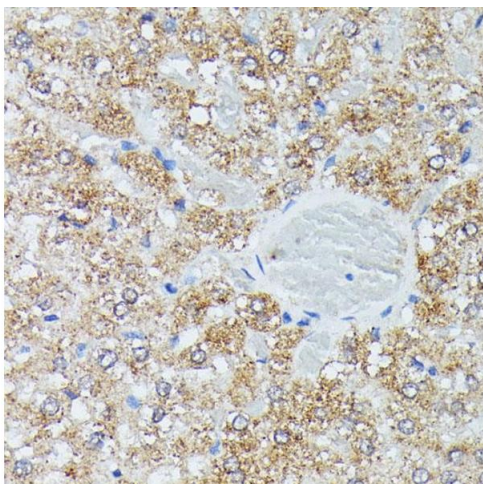
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using IVD antibody (ABIN7268031) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using IVD antibody (ABIN7268031) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1S.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat liver using IVD antibody (ABIN7268031) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7268031.