

**IVD Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56597****Specification**

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**IVD Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P26440</a>
Reactivity	<b>Rat, Pig, Dog, Cow</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>46651</b>

**IVD Polyclonal Antibody - Additional Information****Gene ID** 3712**Other Names**

Isovaleryl-CoA dehydrogenase, mitochondrial, IVD, 1.3.8.4, Butyryl-CoA dehydrogenase, 1.3.8.1, IVD ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=6186](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6186))  
target="\_blank">HGNC:6186</a>)

**Format**

0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**IVD Polyclonal Antibody - Protein Information****Name** IVD ([HGNC:6186](#))**Function**

Catalyzes the conversion of isovaleryl-CoA/3-methylbutanoyl- CoA to 3-methylbut-2-enoyl-CoA as an intermediate step in the leucine (Leu) catabolic pathway (PubMed:[7640268](http://www.uniprot.org/citations/7640268)). To a lesser extent, is also able to catalyze the oxidation of other saturated short-chain acyl-CoA thioesters as pentanoyl-CoA, hexenoyl-CoA and butenoyl-CoA (PubMed:[7640268](http://www.uniprot.org/citations/7640268)).

**Cellular Location**

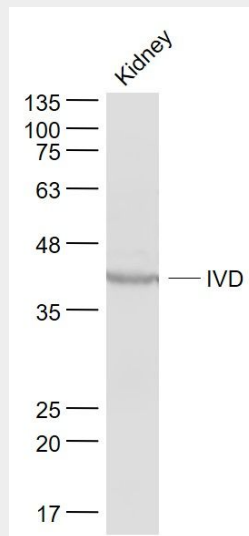
Mitochondrion matrix {ECO:0000250|UniProtKB:P12007}

**IVD Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### IVD Polyclonal Antibody - Images



#### Sample:

Kidney (Mouse) Lysate at 40 ug

Primary: Anti- IVD (bs-17189R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43 kD

Observed band size: 43 kD