USA: proteintech@ptglab.com

Europe: europe@ptglab.com

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IVD Polyclonal Antibody

Catalog number: 10822-1-AP

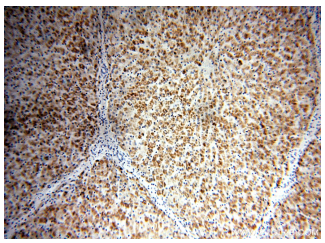
Size: 54 µg/150 µl

Source: Rabbit

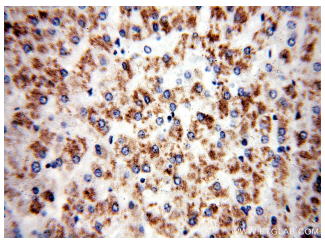
Isotype: IgG

Synonyms:

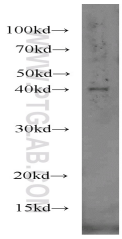
IVD; ACAD2, IVD



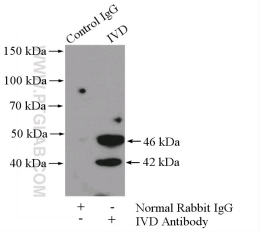
Immunohistochemical of paraffin-embedded human liver using 10822-1-AP(IVD antibody) at dilution of 1:50 (under 10x lens)



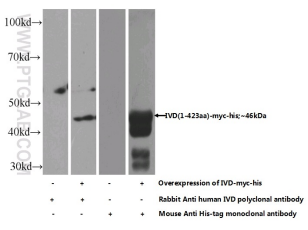
Immunohistochemical of paraffin-embedded human liver using 10822-1-AP(IVD antibody) at dilution of 1:50 (under 40x lens)



MCF7 cells were subjected to SDS PAGE followed by western blot with 10822-1-AP(IVD antibody) at dilution of 1:300



IP Result of anti-IVD (IP:10822-1-AP, 4ug; Detection:10822-1-AP 1:300) with MCF-7 cells lysate 800ug.



Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 10822-1-AP(IVD Antibody) at

Background

IVD(Isovaleryl CoA dehydrogenase, mitochondrial) is a member of the acylCoA dehydrogenase family and is involved in the catabolism of leucine. In size, IVD precursor and mature proteins produced by class I mutants are indistinguishable from their normal counterparts. Class II, III, and IV mutants make IVD precursor proteins 42 kD in size rather than the normal 45 kD(PMID:2063866). It has 2 isoforms produced by alternative splicing.

Applications

Tested applications:	**ELISA, IHC, WB, IP**
Cited applications:	**WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Arabidopsis, mouse**
Caculated IVD MW:	**46 kDa**
Observed IVD MW:	**41 kDa**
Positive WB detected in	**MCF-7 cells, human brain tissue, Transfected HEK-293 cells**
Positive IP detected in	**MCF-7 cells**
Positive IHC detected in	**Human liver tissue**
Recommended dilution:	**WB: 1:200-1:1000** **IP: 1:200-1:1000** **IHC: 1:20-1:200**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag1252**
GenBank accession number:	**BC017202**
Gene ID (NCBI):	**3712**
Full name:	**Isovaleryl Coenzyme A dehydrogenase**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**

dilution of 1:500