

Rabbit anti-Human, Mouse PRODH Polyclonal Antibody | anti-PRODH antibody

PRODH Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280076	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

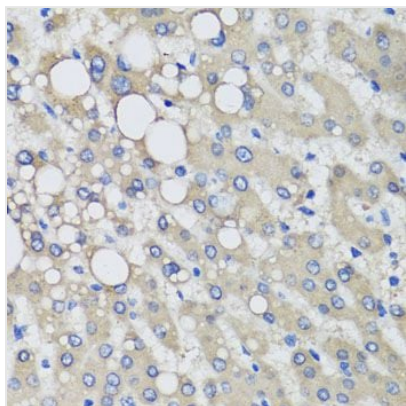
PRODUCT SYNONYMS

PRODH; Polyclonal Antibody; PRODH Polyclonal Antibody; POX; PIG6; HSPOX2; PRODH1; PRODH2; TP53I6; anti-PRODH antibody

PRODUCT SPECIFICATIONS

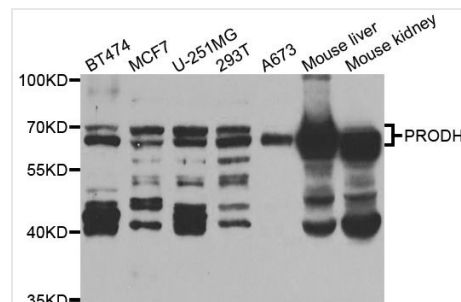
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	600
Applicable Applications for anti-PRODH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PRODH
Calculated Molecular Weight	68kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using PRODH antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PRODH antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PRODH antibody	This gene encodes a mitochondrial protein that catalyzes the first step in proline degradation. Mutations in this gene are associated with hyperprolinemia type 1 and susceptibility to schizophrenia 4 (SCZD4). This gene is located on chromosome 22q11.21, a region which has also been associated with the contiguous gene deletion syndromes, DiGeorge and CATCH22. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PRODH antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	327478561
NCBI GeneID	5625
UniProt Accession #	O43272; O14680; Q0P507; Q147W8; Q504W1; Q59FI8; Q6NV86; Q9UF13; A6NF53
Molecular Weight	600
NCBI Official Full Name	Proline dehydrogenase 1, mitochondrial
NCBI Official Synonym Full Names	proline dehydrogenase (oxidase) 1
NCBI Official Symbol	PRODH
NCBI Official Synonym Symbols	POX; PIG6; HSPOX2; PRODH1; PRODH2; TP53I6
NCBI Protein Information	proline dehydrogenase 1, mitochondrial; proline oxidase 2; p53-induced gene 6 protein; proline oxidase, mitochondrial; tumor protein p53 inducible protein 6
UniProt Protein Name	Proline dehydrogenase 1, mitochondrial
UniProt Gene Name	PRODH
UniProt Synonym Gene Names	PIG6; POX2
UniProt Entry Name	PROD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.