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## anti-PRODH2 antibody (C-Term)

2 Images



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Overview	

Quantity:	100 μL
Target:	PRODH2
Binding Specificity:	C-Term
Reactivity:	Human, Dog, Cow, Mouse, Pig, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRODH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PRODH2
Sequence:	LGIPLDGTVC FGQLLGMCDH VSLALGQAGY VVYKSIPYGS LEEVIPYLIR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PRODH2. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified
Target Details	
Target:	PRODH2

#### **Target Details**

Alternative Name:	PRODH2 (PRODH2 Products)
Background:	PRODH2 is similar to proline dehydrogenase (oxidase) 1, a mitochondrial enzyme which catalyzes the first step in proline catabolism. The function of this protein has not been
	determined. The protein encoded by this gene is similar to proline dehydrogenase (oxidase) 1, a mitochondrial enzyme which catalyzes the first step in proline catabolism. The function of this protein has not been determined.  Alias Symbols: HSPOX1  Protein Size: 536
Molecular Weight:	59 kDa
Gene ID:	58510
NCBI Accession:	NM_021232, NP_067055
UniProt:	Q9UF12

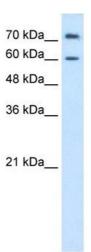
### **Application Details**

Application Notes:

Comment:	Antigen size: 536 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

Optimal working dilutions should be determined experimentally by the investigator.

aliquots to prevent freeze-thaw cycles.



#### Western Blotting

**Image 1.** WB Suggested Anti-PRODH2 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate PRODH2 is supported by BioGPS gene expression data to be expressed in HepG2



#### **Immunohistochemistry**

Image 2. Rabbit Anti-PRODH2 Antibody Paraffin Embedded Tissue: Human Intestine Cellular Data: Epithelial cells of intestinal villas Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X