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Datasheet for ABIN912206

anti-PRODH antibody (AA 141-240) (Alexa Fluor 350)

Overview

Quantity:	100 µL
Target:	PRODH
Binding Specificity:	AA 141-240
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRODH antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PRODH
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human, Horse
Purification:	Purified by Protein A.

Target Details

Target:	PRODH
Alternative Name:	PRODH (PRODH Products)

Target Details

Background: Synonyms: POX, PIG6, HSPOX2, PRODH1, PRODH2, TP53I6, Proline dehydrogenase 1, mitochondrial, Proline oxidase, Proline oxidase 2, p53-induced gene 6 protein, PRODH, POX2
Background: Proline oxidase catalyzes the conversion of proline to pyrroline-5-carboxylate, or P5C during the degradation of the amino acid Proline. Defects in PRODH are the cause of hyperprolinemia type 1, a disorder characterized by elevated serum proline levels. Defective PRODH may be involved in the psychiatric and behavioral phenotypes associated with the 22q11 velocardiofacial and DiGeorge syndrome and may be associated with susceptibility to schizophrenia 4 (SCZD4).

Gene ID: 5625

UniProt: [O43272](#)

Pathways: [Response to Water Deprivation](#), [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months