

bs-5813R**[Primary Antibody]****BioSS**
ANTIBODIES

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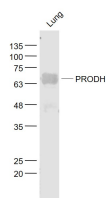
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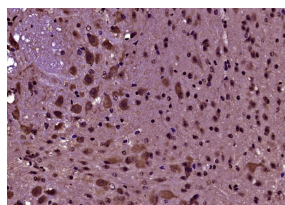
400-901-9800

PRODH Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5625	SWISS: O43272	IHC-F (1:100-500)
Target: PRODH		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human PRODH: 141-240/600.		Reactivity: Mouse (predicted: Human, Rat, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 68 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm
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).		

— VALIDATION IMAGES —

Sample: Lung (Mouse) Lysate at 40 ug Primary:
Anti- PRODH (bs-5813R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 68 kD
Observed band size: 68 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PRODH) Polyclonal Antibody, Unconjugated (bs-5813R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.