

bs-3673R**[Primary Antibody]****Bioss**
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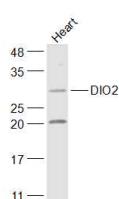
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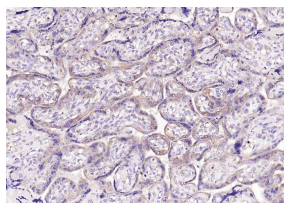
400-901-9800

DIO2 Rabbit pAb**— DATASHEET —**

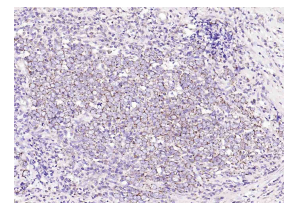
Host: Rabbit Clonality: Polyclonal GeneID: 1734 Target: DIO2 Immunogen: KLH conjugated synthetic peptide derived from human DIO2: 101-200/273. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: DIO2 belongs to the iodothyronine deiodinase family and is responsible for the deiodination of T4 (3,5,3',5'-tetraiodothyronine) into T3 (3,5,3'-triiodothyronine). It is essential for providing the brain with appropriate levels of T3 during the critical period of development. DIO2 is expressed in heart, skeletal muscle, placenta, fetal brain and several regions of the adult brain. There are two named isoforms.	Isotype: IgG SWISS: Q92813	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 30 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Heart (Mouse) Lysate at 40 ug Primary:
 Anti-DIO2 (bs-3673R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 30 kD
 Observed band size: 30 kD



Paraformaldehyde-fixed, paraffin embedded (human placenta); 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; Incubation with (DIO2) Polyclonal Antibody, Unconjugated (bs-3673R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Thyroid tumor); 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; Incubation with (DIO2) Polyclonal Antibody, Unconjugated (bs-3673R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.551]** Mei Ha. et al. PKCα mediated by the PI3K/Akt-FOXO1 cascade facilitates cypermethrin-induced hyperthyroidism. Sci Total Environ. 2021 Feb;757:143727 WB ;Rat. 33250241
- **[IF=3.177]** Enoch Appiah Adu-Gyamfi. et al. Iodothyronine deiodinase 2 (DIO2) regulates trophoblast cell line cycle, invasion and apoptosis; and its downregulation is associated with early recurrent miscarriage. Placenta. 2021 Aug;111:54 WB,IF ;Human. 34166926