

Anti-Dio3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Sheep)
Molecular Weight:	Theoretical: 31 kDa. Actual: 31 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: JAR Cell (Human) Lysate at 40 µg Primary: Anti-Dio3 (TMAB-05164) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Dio3
Antigen Species:	Human
Gene ID:	1735
Uniprot ID:	P55073

Research Background

Dio3 belongs to the iodothyronine deiodinase family. It has an essential role for regulation of thyroid hormone inactivation during embryological development in that it catalyzes the inactivation of thyroid hormone by inner ring deiodination of the prohormone thyroxine (T4) and the bioactive hormone 3,3',5-triiodothyronine (T3) to inactive metabolites, 3,3',5'-triiodothyronine (RT3) and 3,3'-diiodothyronine (T2), respectively. Dio3 may play a role in preventing premature exposure of developing fetal tissues to adult levels of thyroid hormones and has been linked to the development of consumptive hypothyroidism in both infants and adults.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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