

## Anti-Thyroid peroxidase Polyclonal Antibody 2

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Cow,Rabbit)
Molecular Weight:	Theoretical: 101 kDa. Actual: 121 kDa.
Purification:	Protein A purified

## Applications

Sample:	TT (Human) Cell Lysate at 30 µg TT (Human) Cell Lysate at 30 µg
Verified Activity:	Primary: Anti-Thyroid peroxidase (TMAB-13533) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 101 kD Observed band size: 121 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 Thyroid peroxidase
Antigen Species:	Human
Gene ID:	7173
Uniprot ID:	P07202

## Research Background

This gene encodes a membrane-bound glycoprotein. The encoded protein acts as an enzyme and plays a central role in thyroid gland function. The protein functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. Mutations in this gene are associated with several disorders of thyroid hormonogenesis, including congenital hypothyroidism, congenital goiter, and thyroid hormone organification defect IIA. Multiple transcript variants encoding distinct isoforms have been identified for this gene, but the full-length nature of some variants has not been determined. [provided by RefSeq, May 2011].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481