



SUNLONG

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

## Thyroid peroxidase Recombinant Rabbit mAb

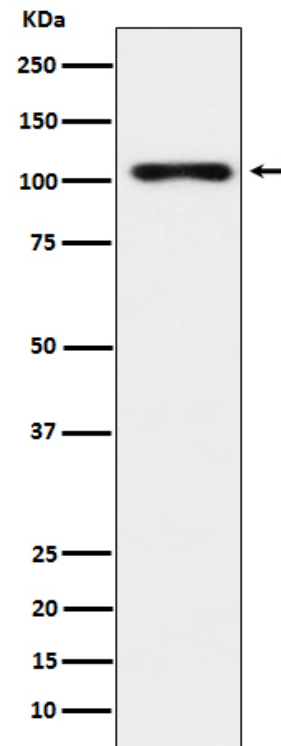
SLM-62995R

<b>Product Name</b>	Thyroid peroxidase Recombinant Rabbit mAb
<b>Alias</b>	MSA; TDH2A; TPO; TPX.
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Recombinant
<b>Clone NO.</b>	13H17
<b>React Species</b>	Human
<b>Applications</b>	WB=1:1000-1:2000,IHC-P=1:100-1:200,IHC-F=1:100-1:200,IF=1:100-1:200,IP=1:20-1:50 WB=1:1000-2000,IHC-P=1:100-200,IHC-F=1:100-200,IP=1:20-50,IF=1:100-200 not yet tested in optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	103 kDa
<b>Detection molecular weight</b>	103
<b>Form</b>	Liquid
<b>immunogen</b>	A synthesized peptide derived from human Thyroid peroxidase: 880-933
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, Human5% BSA, Human 50% glycerol.
<b>Storage</b>	Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or dia
<b>PubMed</b>	<a href="#">PubMed</a> Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormo
<b>Product Detail</b>	SWISS: P07202

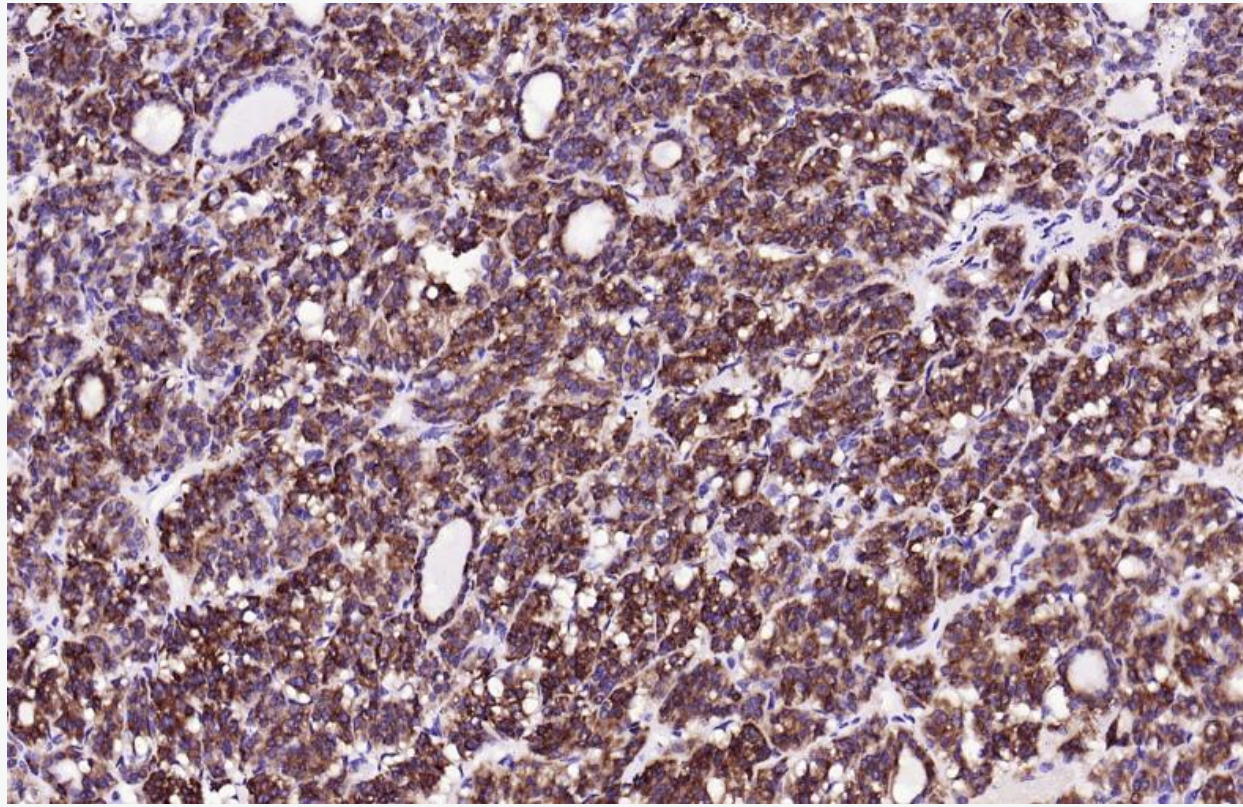
**Gene ID:**  
7173

Thyroid peroxidase (TPO) is a hemoglobin-like substance containing iron porphyrin, located on the apical cell membrane of thyroid epithelial cells. The main biological functions of TPO are to activate iodine, iodinate tyrosine, and promote the coupling of tyrosine. It plays a key role in the synthesis of thyroid hormones - serving as a crucial enzyme in the thyroid hormone synthesis pathway.

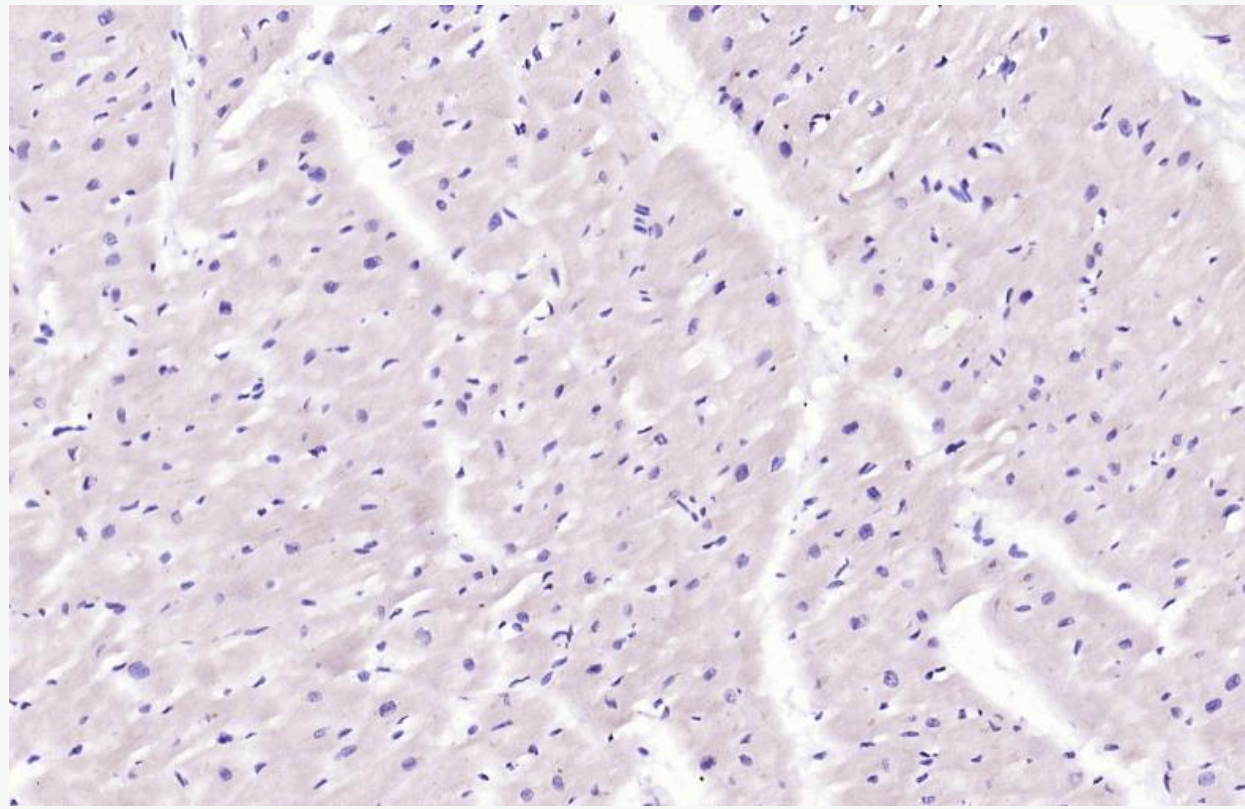
**Product  
Picture**



Western blot analysis of Human thyroid lysate. Using Thyroid peroxidase (SLM-62995R) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation for 1 hour at room temperature.



Paraformaldehyde-fixed, paraffin embedded Human thyroid gland; Antigen retrieval by boiling buffer (pH6.0) for 15 min; Antibody incubation with PKM2 Monoclonal Antibody, Unconjugated 1:200 overnight at 4°C, followed by conjugation to the SP Kit(Rabbit, SP-0023) and DAB (C-001)



(Negative samples) Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval with sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PKM2 Monoclonal Antibody Unconjugated(SLM-62995R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit(IgG) and DAB (C-0010) staining.