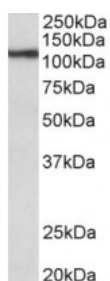


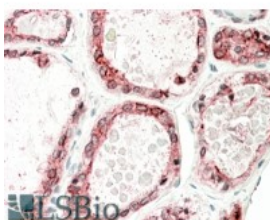


## TPO Antibody

CATALOG NUMBER: 42-879



Western Blot (0.3ug/ml) staining of Human Thyroid Gland lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (5ug/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC-P, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:16000. Western Blot: Approx 110kDa band observed in Human Thyroid Gland lysates (calculated MW of 103kDa according to NP_000538.3). Recommended concentration: 0.3-1ug/ml. Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows textured staining in the cytoplasm of epithelial cells. Recommended concentration, 5-10ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1350 - Human Thyroid Tissue Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	Approx 110 kDa
<b>SPECIFICITY:</b>	This antibody is expected to recognize reported isoforms a (NP_000538.3) and e (NP_783653.1).
<b>IMMUNOGEN:</b>	TPO Antibody was raised against a 15 amino acid sequence near the internal region of TPO.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	TPO antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	TPO, TPX, thyroperoxidase, thyroid peroxidase, thyroid microsomal antigen, TDH2A, OTTHUMP00000115536, OTTHUMP00000115535, MSA
-------------------------	---

**ACCESSION NO.:** NP\_000538.3, NP\_783650.1, NP\_783652.1, NP\_783653.1

**PROTEIN GI NO.:** 28558982

**OFFICIAL SYMBOL:** TPO

**GENE ID:** 7173

## Background

FOR RESEARCH USE ONLY

December 13, 2016