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Research Use Only. Not for diagnostic or therapeutic use.

EB11067 - Goat Anti-Thyroid peroxidase Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MSA, OTTHUMP00000115535, OTTHUMP00000115536, TDH2A, thyroid microsomal antigen, thyroid peroxidase, thyroperoxidase, TPX, TPO

Official Symbol: TPO

Accession Number(s): NP_000538.3; NP_783650.1; NP_783652.1; NP_783653.1

Human GeneID(s): 7173

Important Comments: This antibody is expected to recognize reported isoforms a (NP_000538.3), b (NP_783650.1), d (NP_78652.1), and e (NP_783653.1).

Immunogen

Peptide with sequence C-TRHVIQVSNEVVTDD, from the internal region of the protein sequence according to NP_000538.3; NP_783650.1; NP_783652.1; NP_783653.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

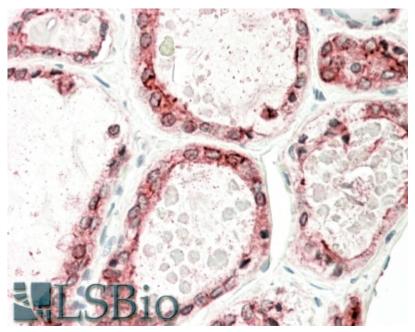
Western blot: Approx 110kDa band observed in Human Thyroid Gland lysates (calculated MW of 103kDa according to NP_000538.3). Recommended concentration: 0.3-1µg/ml.

IHC: In paraffin embedded Human Thyroid Gland shows textured staining in the cytoplasm of epithelial cells. Recommended concentration, 5-10µg/ml.

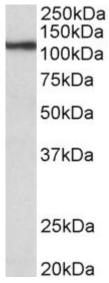
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB11067 (5µg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB11067 (0.3µg/ml) staining of Human Thyroid Gland lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.