

**Thyroid peroxidase Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54256****Specification**

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**Thyroid peroxidase Polyclonal Antibody - Product Information**

Application	IHC-P, WB
Primary Accession	<a href="#">P07202</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102963

**Thyroid peroxidase Polyclonal Antibody - Additional Information****Gene ID** 7173**Other Names**

Thyroid peroxidase, TPO, 1.11.1.8, TPO ([HGNC:12015](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12015))

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Thyroid peroxidase Polyclonal Antibody - Protein Information****Name** TPO ([HGNC:12015](#))**Function**

Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

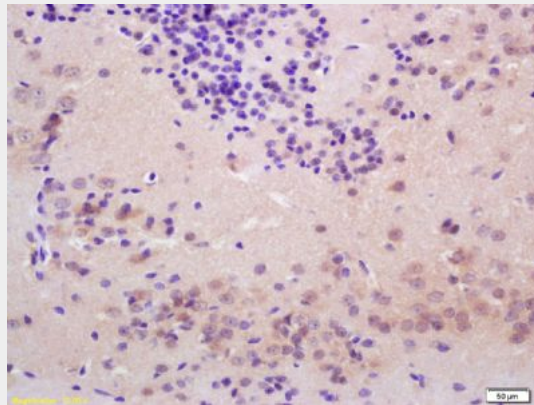
**Thyroid peroxidase Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

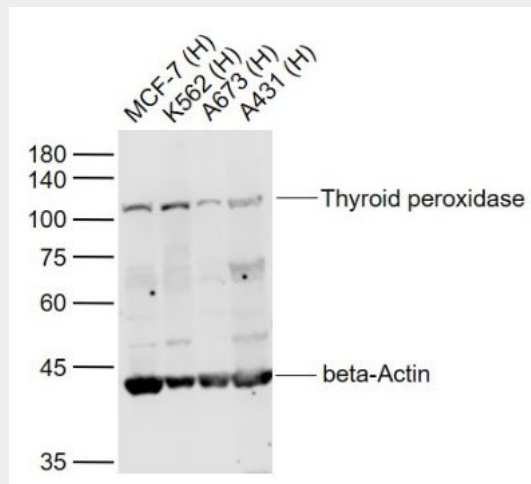
### Thyroid peroxidase Polyclonal Antibody - Images



Tissue/cell: Rat brain; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Thyroid peroxidase Polyclonal Antibody, Unconjugated(bs-10406R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



#### Sample:

Lane 1: MCF-7 (Human) Cell Lysate at 30 ug

Lane 2: K562 (Human) Cell Lysate at 30 ug

Lane 3: A673 (Human) Cell Lysate at 30 ug

Lane 4: A431 (Human) Cell Lysate at 30 ug

#### Primary:

Anti- Thyroid peroxidase (bs-10406R) at 1/1000 dilution

Anti-beta-Actin (bs-0061R) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 105-110 kD  
Observed band size: 105 kD