

Polyclonal Antibody to Thyroglobulin (TG)

Thyroglobulin

Catalog # AP74481

Product Information

Application	WB
Primary Accession	O08710
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	304473

Additional Information

Gene ID	21819
Other Names	AITD3; TGN
Target/Specificity	Mus musculus (Mouse)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Tg
Synonyms	Tgn
Function	Acts as a substrate for the production of iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3) (By similarity). The synthesis of T3 and T4 involves iodination of selected tyrosine residues of TG/thyroglobulin followed by their oxidative coupling (By similarity). Following TG re-internalization and lysosomal-mediated proteolysis, T3 and T4 are released from the polypeptide backbone leading to their secretion into the bloodstream (Probable). One dimer produces 7 thyroid hormone molecules (By similarity).
Cellular Location	Secreted. Note=Secreted into the thyroid follicle lumen (PubMed:12782676). Localizes to colloid globules, a structure formed in the thyroid follicle lumen consisting of cross-linked TG arranged in concentric layers

(PubMed:12782676)

Tissue Location

Specifically expressed in the thyroid gland.

Images

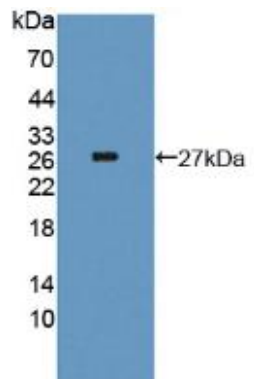


Figure. Western Blot; Sample: Recombinant Thyroglobulin, Mouse.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.