

ARG66632 anti-Thyroglobulin antibody [SQab19150]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab19150] recognizes Thyroglobulin
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab19150
Isotype	IgG
Target Name	Thyroglobulin
Species	Human
Immunogen	Synthetic peptide within aa. 350-450 of Human Thyroglobulin.
Conjugation	Un-conjugated
Alternate Names	AITD3; Tg; TGN; Thyroglobulin

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>1:100 - 1:200</td></tr></tbody></table>	Application	Dilution	IHC-P	1:100 - 1:200
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IHC-P	1:100 - 1:200				
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C - 25°C) for 30 minutes. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

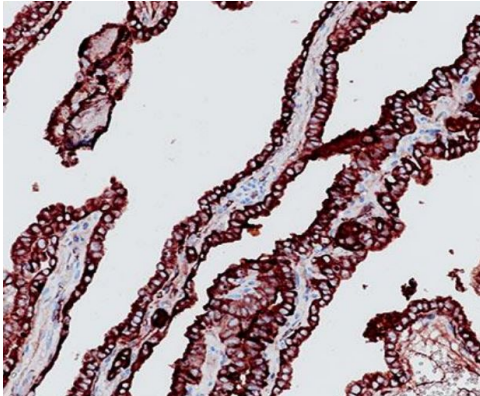
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TG
Gene Full Name	thyroglobulin
Background	Thyroglobulin (Tg) is a glycoprotein homodimer produced predominantly by the thyroid gland. It acts as a substrate for the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dysmorphogenesis, manifested as goiter, and are associated with moderate to severe congenital hypothyroidism. Polymorphisms in this gene are associated with susceptibility to autoimmune thyroid diseases (AITD) such as Graves disease and Hashimoto thyroiditis. [provided by RefSeq, Nov 2009]
Function	Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3). [UniProt]
Calculated Mw	305 kDa
PTM	Sulfated tyrosines are desulfated during iodination. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG66632 anti-Thyroglobulin antibody [SQab19150] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human thyroid cancer tissue stained with ARG66632 anti-Thyroglobulin antibody [SQab19150]. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0).