Product Datasheet

Thyroglobulin Antibody (2H11 + 6E1)
NBP2-34294-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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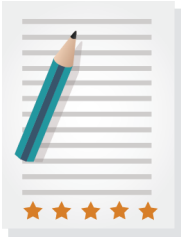
Reviews: 3 Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-34294

Updated 10/23/2024 v.20.1



NBP2-34294-0.1mg

Thyroglobulin Antibody (2H11 + 6E1)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	2H11 + 6E1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	660 kDa

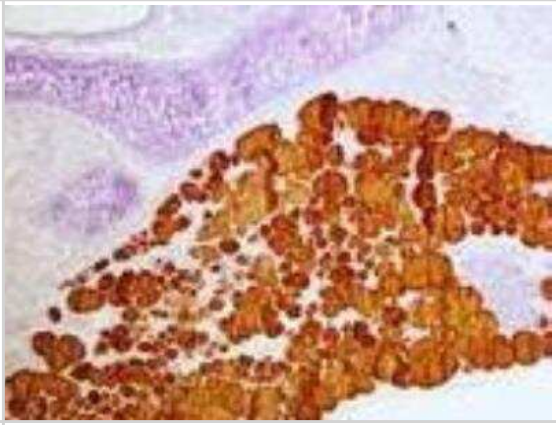
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34530) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	7038
Gene Symbol	TG
Species	Human, Mouse, Rat
Marker	Thyroidal Cell Marker
Specificity/Sensitivity	Thyroglobulin is a 660kDa dimeric pre-protein with multiple glycosylation sites. It is produced by and processed within the thyroid gland to produce the hormone thyroxine and triiodothyronine. Prior to forming dimers, thyroglobulin monomers undergo conformational maturation in the endoplasmic reticulation. The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of other-than-thyroid origin do not react with this antibody. This antibody is useful in identification of thyroid carcinoma of the papillary and follicular types. Presence of thyroglobulin in metastatic lesions establishes the thyroid origin of tumor. Anti-thyroglobulin, combined with anti-calcitonin, can identify medullary carcinomas of the thyroid. Furthermore, anti-thyroglobulin, combined with anti-TTF1, can be a reliable marker to differentiate between primary thyroid and lung neoplasms.
Immunogen	Human thyroid follicular cells

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 0.5-1.0 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 0.1-0.2 ug/ml

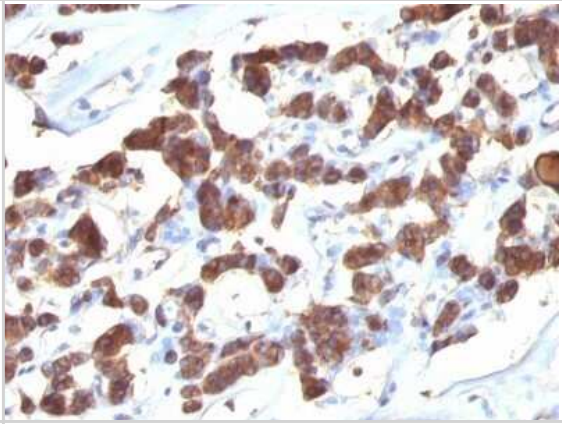
Application Notes	Immunohistochemistry (Formalin-fixed): 0.1-0.2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

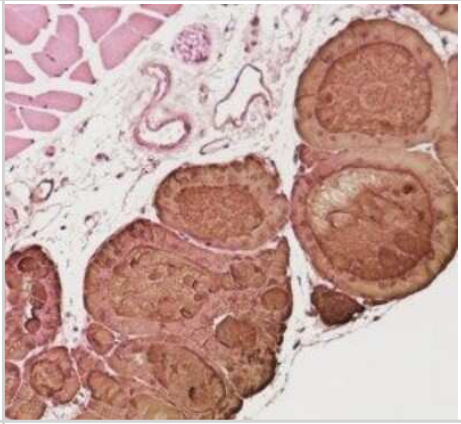
Immunohistochemistry-Paraffin: Thyroglobulin Antibody (2H11 + 6E1) [NBP2-34294] - Mouse thyroid tissue section stained with Thyroglobulin Antibody (2H11 + 6E1). IHC-P image submitted by a verified customer review.



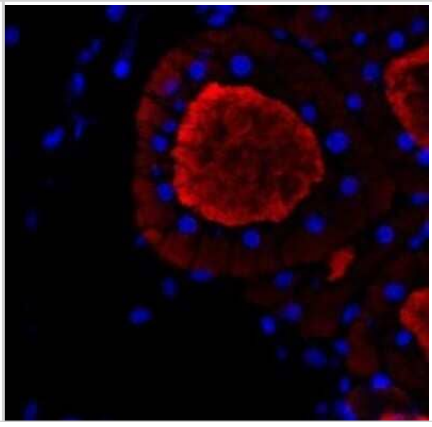
Immunohistochemistry-Paraffin: Thyroglobulin Antibody (2H11 + 6E1) [NBP2-34294] - Analysis using Azide/BSA FREE version of NBP2-34294. Human Thyroid stained with Thyroglobulin Ab (2H11 + 6E1).



Immunohistochemistry: Thyroglobulin Antibody (2H11 + 6E1) [NBP2-34294] - Imaging of Mouse stomach tissue. Positive staining can only be observed inside the thyroid cells and the follicle in thyroid tissue. This image was submitted via customer Review.



Immunohistochemistry-Paraffin: Thyroglobulin Antibody (2H11 + 6E1) [NBP2-34294] - Thyroglobulin staining in thyroid tissue of normal C57 mouse (Red). Dilution is 1:100. IHC-P image submitted by a verified customer review.



Publications

Andersen DB, Grunddal KV, Pedersen J, et al. Using a Reporter Mouse to Map Known and Novel Sites of GLP-1 Receptor Expression in Peripheral Tissues of Male Mice Endocrinology 2021-03-01 [PMID: 33508122] (IHC-P, Mouse)

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-34294-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
H00007038-Q02-25ug	Recombinant Human Thyroglobulin GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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