

# Product Datasheet

## Thyroglobulin Antibody (2H11)

### NBP2-29451

Unit Size: 0.1 mg

Store at 4C.

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Updated 10/23/2024 v.20.1

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**NBP2-29451****Thyroglobulin Antibody (2H11)**

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 mg  |
| <b>Concentration</b>               | 0.2 mg/ml   |
| <b>Storage</b>                     | Store at 4C.  |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | 2H11  |
| <b>Preservative</b>                | 0.05% Sodium Azide  |
| <b>Isotype</b>                     | IgG1 Kappa  |
| <b>Purity</b>                      | Protein A or G purified   |
| <b>Buffer</b>                      | 10 mM PBS with 0.05% BSA  |
| <b>Product Description</b>         |   |
| <b>Description</b>                 | <p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP2-33070)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>   |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 7038  |
| <b>Gene Symbol</b>                 | TG  |
| <b>Species</b>                     | Human, Mouse, Rat   |
| <b>Marker</b>                      | Thyroidal Cell Marker   |
| <b>Specificity/Sensitivity</b>     | <p>monoclonal antibody 2H11 reacts with a partially defined epitope of human thyroglobulin. This epitope is different from the epitope recognized by monoclonal antibody 6E1. 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 reticulum. 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.</p> |
| <b>Immunogen</b>                   | Human thyroid follicular cells  |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b>       | Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 0.1-0.2 ug/ml  |

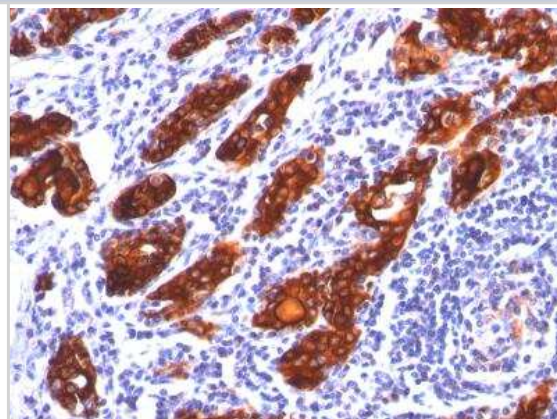


**Application Notes**

Immunohistochemistry (Formalin-fixed): 0.1-0.2ug/ml. 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) [NBP2-29451] - Formalin-paraffin human thyroid gland stained with Thyroglobulin Ab (2H11).





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### **Products Related to NBP2-29451**

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|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg   | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| H00007038-Q02-25ug | Recombinant Human Thyroglobulin GST (N-Term) Protein    |

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### **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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