

# Product Datasheet

## TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody NBP2-22523

Unit Size: 200ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-22523**

TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody

**Product Information**

<b>Unit Size</b>	200ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS with 1 mg/ml BSA

**Product Description**

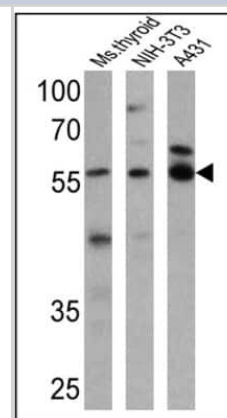
<b>Host</b>	Rabbit
<b>Gene ID</b>	7067
<b>Gene Symbol</b>	THRA
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Synthetic Peptide: S(455) R A V C G E D D S S E A S S(469)

**Product Application Details**

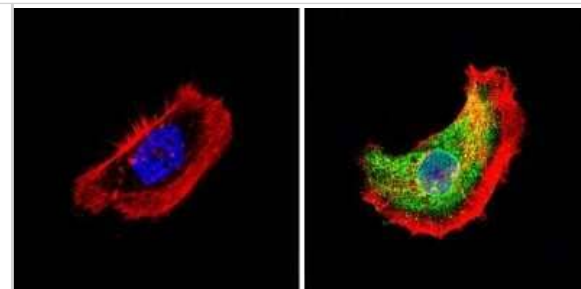
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:100, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:200, Immunohistochemistry-Paraffin 1:100 - 1:500
<b>Application Notes</b>	WB: Detects an approx. 58 kDa representing Tra2 in mouse tissue. This antibody also detects a ~43 kDa protein which is believed to be non-specific.

**Images**

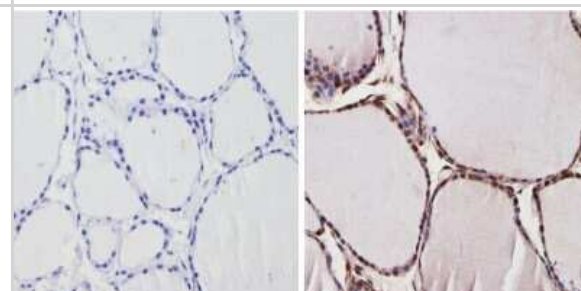
Western Blot: TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody [NBP2-22523] - Analysis of 25 ug of mouse thyroid (lane 1), NIH-3T3 (lane 2) and A431 (lane 3) cell lysates onto an SDS polyacrylamide gel.



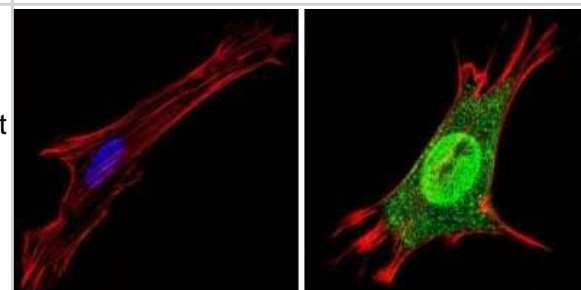
Immunocytochemistry/Immunofluorescence: TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody [NBP2-22523] - Analysis of Thyroid Hormone Receptor alpha-2 (green) showing staining in the nucleus and cytoplasm of A431 cells (right) compared to a negative control without primary antibody (left).



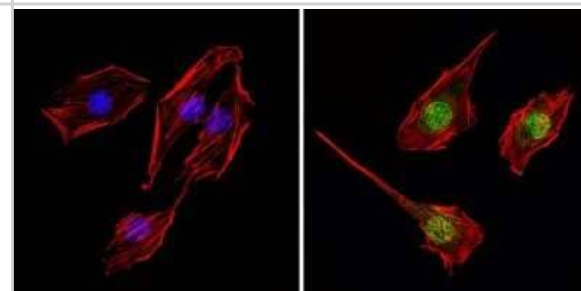
Immunohistochemistry-Paraffin: TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody [NBP2-22523] - Analysis showing positive staining in the cytoplasm and nucleus of Human thyroid tissue (right) compared with a negative control in the absence of primary antibody (left).



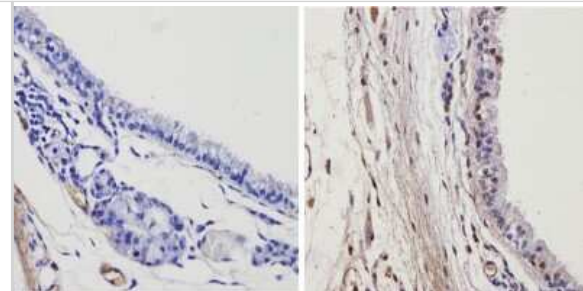
Immunocytochemistry/Immunofluorescence: TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody [NBP2-22523] - Analysis of Thyroid Hormone Receptor alpha-2 (green) showing staining in the nucleus and cytoplasm of NIH-3T3 cells (right) compared to a negative control without primary antibody (left).



Immunocytochemistry/Immunofluorescence: TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody [NBP2-22523] - Analysis of Thyroid Hormone Receptor alpha-2 (green) showing staining in the nucleus and cytoplasm of C2C12 cells (right) compared to a negative control without primary antibody (left).



Immunohistochemistry-Paraffin: TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody [NBP2-22523] - Analysis showing positive staining in the cytoplasm and nucleus of Mouse thyroid tissue (right) compared with a negative control in the absence of primary antibody (left).



## Publications

Burda JE, O'Shea TM, Ao Y et al. Divergent transcriptional regulation of astrocyte reactivity across disorders Nature 2022-05-25 [PMID: 35614216] (IHC-Fr, Mouse)



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### **Products Related to NBP2-22523**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007067-P01-10ug	Recombinant Human TR alpha/NR1A1/Thyroid Hormone Receptor alpha 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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