

# Product Datasheet

## TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody NB120-5621

Unit Size: 0.1 ml

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

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**NB120-5621****TR alpha/NR1A1/Thyroid Hormone Receptor alpha Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera with PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7067
<b>Gene Symbol</b>	THRA
<b>Species</b>	Human, Mouse, Rat, Chicken
<b>Reactivity Notes</b>	Cross-reacts with Chicken and Human. Expected to cross-react with Pig (100% identity with immunogen), Sheep (100% identity with immunogen), Xenopus laevis (100% identity with immunogen) due to sequence homology. Not yet tested in other species.
<b>Specificity/Sensitivity</b>	This does not detect TRv alpha -2 or TR beta-1.
<b>Immunogen</b>	Synthetic peptide: EVFEDQEV, corresponding to amino acids 403-410 of Human Thyroid Hormone Receptor alpha 1.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Gel Super Shift Assays, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:100 - 1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:10 - 1:500, Gel Super Shift Assays 1:1 - 1:100
<b>Application Notes</b>	GSA: Use at an assay dependent dilution. ICC: Use at a dilution of 1/200. Western Blot: Use at a dilution of 1/200. Detects a band of approximately 48 kDa (predicted molecular weight: 59 kDa) representing recombinant human TR alpha-1 expressed in E. coli. Gel shift experiments show that this product reacts with TR alpha-1 homodimers and TR alpha-1/retinoic X receptor (RXR) heterodimers. Optimal dilutions/concentrations should be determined by the end user.





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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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