Datasheet for ABIN6952044

anti-THRA antibody (Atto 390)

4 Images

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Overview

Quantity:	100 µg
Target:	THRA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This THRA antibody is conjugated to Atto 390
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide from the full length Human Thyroid hormone receptor protein
Clone:	H43
Isotype:	IgG2a
Specificity:	Activated T lymphocytes,Detects 70 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein A Purified

Target Details

Target:	THRA
Alternative Name:	Thyroid Hormone Receptor (THRA Products)
Background:	Thryoid hormone receptors are ligand dependent members of the steroid/retinoic acid

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Target Details

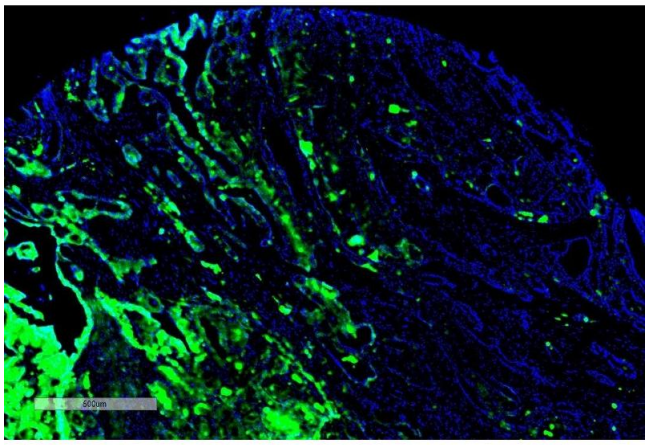
	superfamily of transcription factors. Thyroid hormones affect metabolic processes, growth and development.
Gene ID:	7067
NCBI Accession:	NM_001190918
UniProt:	P10827
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Sensory Perception of Sound, Cellular Response to Molecule of Bacterial Origin, Regulation of Lipid Metabolism by PPARalpha, Regulation of Muscle Cell Differentiation, Maintenance of Protein Location, Skeletal Muscle Fiber Development

Application Details

Application Notes:	• WB (1:500) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:500 dilution of ABIN6952044 was sufficient for detection of Pan-Thyroid hormone receptor in 10 ug of Hep G2 Human Hepatoblastoma Cell lysate by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

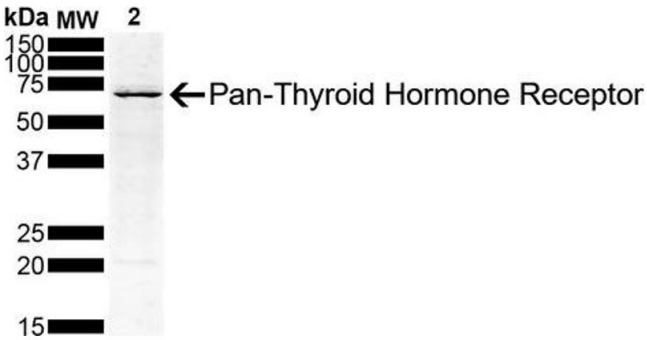
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % Sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



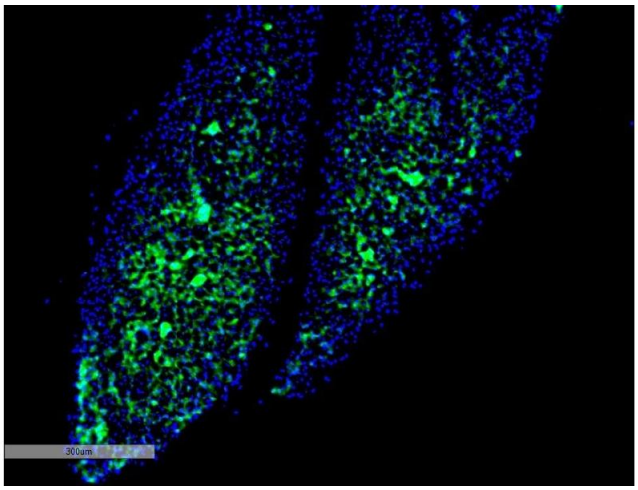
Immunohistochemistry

Image 1. Immunohistochemistry analysis using Mouse Anti-Thyroid Hormone Receptor Monoclonal Antibody, Clone H43 (ABIN6952044). Tissue: Thyroid Cancer. Species: Human. Primary Antibody: Mouse Anti-Thyroid Hormone Receptor Monoclonal Antibody (ABIN6952044) at 1:100 for Overnight at 4C, then 30 min at 37C. Secondary Antibody: Goat Anti-Mouse IgG (H+L): FITC for 45 min at 37C. Counterstain: DAPI for 3 min at RT. Magnification: 4X.



Western Blotting

Image 2. Western Blot analysis of Human Hep G2 Hepatoblastoma Cell lysate showing detection of Thyroid Hormone Receptor protein using Mouse Anti-Thyroid Hormone Receptor Monoclonal Antibody, Clone H43 (ABIN6952044). Load: 10 µg. Primary Antibody: Mouse Anti-Thyroid Hormone Receptor Monoclonal Antibody (ABIN6952044) at 1:500 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Other Band(s): Higher molceular weight bands could be due to PTMs.



Immunohistochemistry

Image 3. Immunohistochemistry analysis using Mouse Anti-Thyroid Hormone Receptor Monoclonal Antibody, Clone H43 (ABIN6952044). Tissue: Thyroid. Species: Mouse. Primary Antibody: Mouse Anti-Thyroid Hormone Receptor Monoclonal Antibody (ABIN6952044) at 1:100 for Overnight at 4C, then 30 min at 37C. Secondary Antibody: Goat Anti-Mouse IgG (H+L): FITC for 45 min at 37C. Counterstain: DAPI for 3 min at RT. Magnification: 7.5X.

Please check the product details page for more images. Overall 4 images are available for ABIN6952044.

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