Datasheet for ABIN213505

anti-THRA antibody (Ligand Binding Domain)

2 Images

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Overview

Quantity:	50 µg
Target:	THRA
Binding Specificity:	Ligand Binding Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THRA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 20 amino acid peptide from ligand-binding domain of human THRA. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%), Mouse, Rat, Sheep, Dog, Bovine, Hamster, Elephant, Panda, Rabbit, Horse, Pig (95%), Lizard (85%), Opossum (80%). Type of Immunogen: Synthetic peptide
Specificity:	Human THRA. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%) Mouse, Rat, Sheep, Dog, Bovine, Hamster, Elephant, Panda, Rabbit, Horse, Pig (95%) Lizard

Product Details

	(85%) Opossum (80%).
Purification:	Immunoaffinity purified

Target Details

Target:	THRA
Alternative Name:	THRA / THR Alpha (THRA Products)
Background:	Name/Gene ID: THRA Subfamily: NR1 Thyroid hormone-like Family: NHR Synonyms: THRA, AR7, C-ERBA-1, C-erbaalpha, EAR-7.1/EAR-7.2, ERB-T-1, ERBA1, EAR-7, ERBA-related 7, HTR alpha 1, HTR alpha 2, THRA1, Thyroid hormone receptor alpha, T3R, Tralpha2, Triiodothyronine receptor, V-erbA-related protein 7, Thyroid hormone receptor, Tralpha1, NR1A1, THRA3, C-erbA-alpha, CHNG6, EAR7, ERBA, Erba-alpha, THRA2, TR alpha, Tralpha
Gene ID:	7067
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:	Approved: IHC, IHC-P (10 - 15 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10 µg/mL.
Comment:	Target Species of Antibody: Human

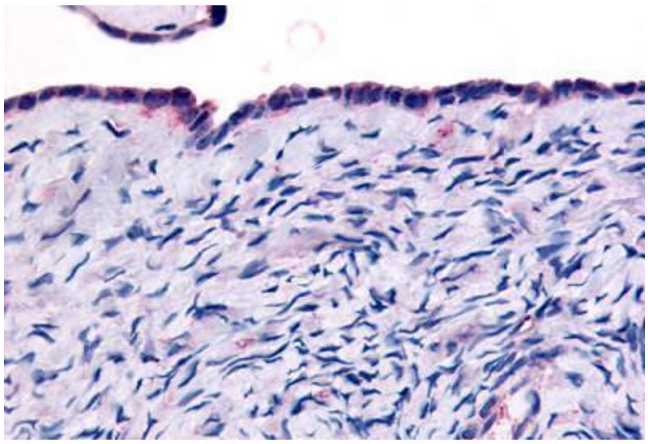
Application Details

Restrictions:	For Research Use only

Handling

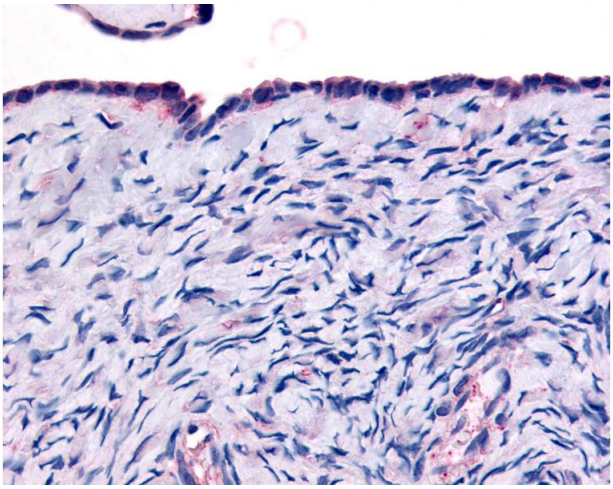
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Surface Epithelium (formalin-fixed, paraffin-embedded) stained with THRA antibody ABIN213505 at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-THRA antibody IHC of human surface epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.