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Datasheet for ABIN1049132 anti-NR1D2 antibody (Ligand Binding Domain)

2 Images



Overview

Quantity:	50 µg
Target:	NR1D2
Binding Specificity:	Ligand Binding Domain
Reactivity:	Human, Dog, Rabbit, Cow, Horse, Monkey, Bat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR1D2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 17 amino acid peptide from ligand-binding domain of human NR1D2. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Bovine, Dog, Bat, Panda, Horse, Rabbit, Opossum, Platypus (100%), Mouse, Rat, Elephant (94%), Chicken (82%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human NR1D2. 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, Marmoset, Bovine, Dog, Bat, Panda, Horse, Rabbit, Opossum, Platypus (100%) Mouse, Rat,

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Product Details	
	Elephant (94%) Chicken (82%).
Purification:	Immunoaffinity purified
Target Details	
Target:	NR1D2
Alternative Name:	NR1D2 (NR1D2 Products)
Background:	Name/Gene ID: NR1D2
	Subfamily: NR1 Thyroid hormone-like
	Family: NHR
	Synonyms: NR1D2, EAR-1R, HZF2, Nuclear receptor rvr, Rev-erbabeta, Rev-erb-beta, Rev-erba
	beta, RVR, BD73, Nuclear receptor ear-1r
Gene ID:	9975
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway
Application Details	
Application Notes:	Approved: IHC, IHC-P (4 - 7 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol
	Tissue Preparation
	Formalin fixation and embedding in paraffin wax
	Tissue Sectioning
	Tissue Sectioning Make 4-µm sections and place on pre-cleaned and charged microscope slides.
	-
	Make 4-µm sections and place on pre-cleaned and charged microscope slides.
	Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C
	Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization
	Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

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Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure. Apply a universal protein block – 20 minutes at room temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature. Rinse slides 1X TBST – 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature. Wash slides in distilled water – 1 minute at room temperature.

This method should only be used if the chromogen substrate is alcohol insoluble. Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of xylene – 1 minute each at room temperature. Apply coverslip

Restrictions:

For Research Use only

Handling

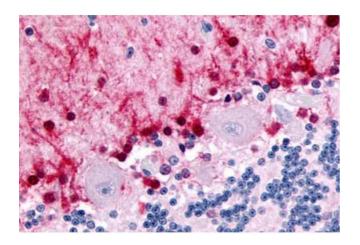
Format:	Liquid
Concentration:	Lot specific

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Handling

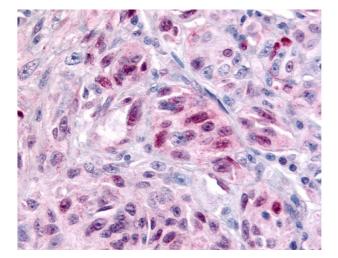
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to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

Images



Immunohistochemistry

Image 1. Anti-NR1D2 antibody ABIN1049132 IHC staining of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-NR1D2 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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