

Datasheet for ABIN1048584

anti-ESRRB antibody (Ligand Binding Domain)**2** Images[Go to Product page](#)

Overview

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

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 15 amino acid peptide from ligand-binding domain of human ESRRB. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Hamster, Panda, Dog, Bovine, Horse, Rabbit, Pig, Opossum (100%), Mouse, Rat, Elephant, Turkey, Chicken, Lizard (93%), Bat (87%), Stickleback, Medaka, Pufferfish, Zebrafish (80%). Type of Immunogen: Synthetic peptide
Specificity:	Human ESRRB. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ESRRG (67 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Hamster, Panda, Dog, Bovine, Horse, Rabbit, Pig, Opossum (100%) Mouse, Rat,

Product Details

Elephant, Turkey, Chicken, Lizard (93%) Bat (87%) Stickleback, Medaka, Pufferfish, Zebrafish (80%).

Purification: Immunoaffinity purified

Target Details

Target: ESRRB

Alternative Name: ESRRB / ERR beta ([ESRRB Products](#))

Background: Name/Gene ID: ESRRB
Subfamily: NR3 Steroid receptor
Family: NHR

Synonyms: ESRRB, DFNB35, ERRb, ERRbeta-2, ESRL2, Estrogen receptor-like 2, ERR-beta, ERRB2, ERRbeta, NR3B2, Nuclear receptor ERRB2, Orphan nuclear receptor, ERR beta-2, ERR2, Estrogen-related receptor 2, Estrogen-related receptor beta, Steroid hormone receptor ERR2

Gene ID: 2103

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: Approved: IHC, IHC-P (3 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

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.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

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.

Dehydrate

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

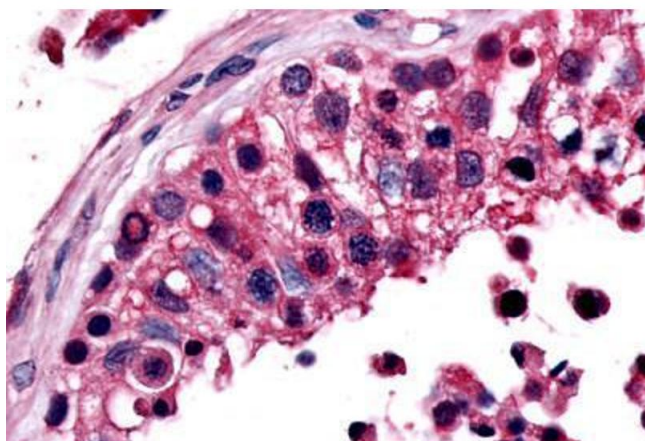
Restrictions:

For Research Use only

Handling

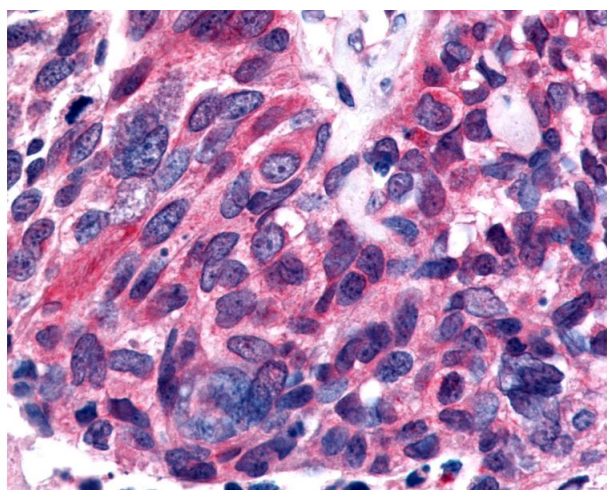
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and 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-ESRRB antibody ABIN1048584 IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-ESRRB / ERR Beta antibody IHC of human Lung, Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.