

Product Datasheet

ERR alpha/NR3B1 Antibody

NLS5419

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NLS5419

ERR alpha/NR3B1 Antibody

Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	2101
Gene Symbol	ESRRA
Species	Human
Reactivity Notes	Human. Only 25% identity to mouse sequence.
Specificity/Sensitivity	Estrogen-Related Receptor Alpha (ERR Alpha/NR3B1)
Immunogen	Synthetic peptide [KLH conjugated] made to the near N-terminus

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 20 ug/ml



Procedures

Immunohistochemistry Protocol for Estrogen Related Receptor alpha Antibody (NLS5419)

Immunohistochemistry:

1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4-mm sections and place on pre-cleaned and charged microscope slides.
3. Heat in a tissue-drying oven for 45 minutes 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene for 5 minutes each at RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol for 3 minutes each at RT.
6. Wash the slides in 2 changes of 95% alcohol for 3 minutes each at RT.
7. Wash the slides in 1 change of 80% alcohol for 3 minutes at RT.
8. Rinse the slides in gentle running distilled water for 5 minutes at RT.
9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) at 99-100 degrees Celcius for 20 minutes.
10. Remove the slides from the heat and let stand in buffer at RT for 20 minutes.
11. Rinse the slides in 1X TBS-T for 1 minute at RT.

****Do not allow the tissues to dry at any time during the staining procedure****

12. Begin the immunostaining by applying a universal protein block for 20 minutes at RT.
13. Drain protein block from the slides and apply the diluted primary antibody for 45 minutes at RT.
14. Rinse the slide in 1X TBST for 1 minute at RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary for 30 minutes at RT.
16. Rinse the slide in 1X TBST for 1 minute at RT.
17. Apply an alkaline phosphatase streptavidin for 30 minutes at RT.
18. Rinse the slide in 1X TBS-T for 1 minute at RT.
19. Apply an alkaline phosphatase chromagen substrate for 30 minutes at RT.
20. Rinse the slide in distilled water for 1 minute at RT.

****This method should only be used if the chromagen substrate is alcohol insoluble (ie: Vector Red, DAB)****

21. Dehydrate the tissue by washing the slides in 2 changes of 80% alcohol for 1 minute each at RT.
22. Wash the slides in 2 changes of 95% alcohol for 1 minute each at RT.
23. Wash the slides in 3 changes of 100% alcohol for 1 minute each at RT.
24. Wash the slides in 3 changes of xylene for 1 minute each at RT.
25. Apply cover slip.



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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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