Product Datasheet

FCRN/FCGRT Antibody (2E9.1G8)
NBP2-42214

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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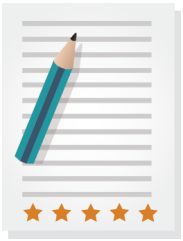

NBP2-42214

FCRN/FCGRT Antibody (2E9.1G8)

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2E9.1G8
Preservative	0.02% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	39.7 kDa

Product Description	
Host	Mouse
Gene ID	2217
Gene Symbol	FCGRT
Species	Human
Immunogen	Partial recombinant human FCGRT protein (between amino acids 10-200) [Uniprot: P55899]

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-3 ug ug/ml, Immunohistochemistry 10-15 ug/ml, Immunohistochemistry-Paraffin 10-15 ug/ml
Application Notes	FCRN/FCGRT is a 365 amino acids long protein with predicted molecular weight of 39.7 kDa. However, in its processing, it undergoes cleavage with the removal of 23AA long n-terminal signal peptide and other modifications such as glycosylation and disulphide bond formation.

Procedures

Western Blot Protocol for FCRN/FCGRT Antibody (NBP2-42214)
Reagents needed:
a. Washing Buffer: Tris Buffer Saline with 0.01% of tween 20).
b. Blocking Buffer: 5% skimmed milk powder in washing buffer).
c. Secondary antibody, Horseradish peroxidase conjugated.
d. Chemiluminescent solution (SuperSignal WestPicoTM, Pierce).

Western blot Method:
1. Perform SDS-PAGE using PVDF membrane. Cut into strips.
2. Activate strips with methanol by dipping them into methanol for 5 min.
3. Discard the methanol and take fresh methanol to repeat step b.
4. Let the strips dry, and then add blocking solution and incubate at RT in a shaker for 30-45 minutes.
5. Dilute primary antibody in blocking buffer. Incubate the number of strips required with the diluted primary antibody at room temperature for 2 hours in a shaker.
6. Wash strips two times with washing buffer at 30 minutes intervals.
7. Dilute HRP conjugated secondary antibody in blocking buffer. Add diluted secondary antibody to the membrane strips and incubate for exactly 1 hour while shaking at RT.
8. Wash the strips with washing buffer for 2-3 hours with 3 to 4 changes on a shaker. This helps in reducing the back ground staining.
9. Prepare the chemiluminescent solution (SuperSignal WestPicoTM) by mixing solution A and Solution B at 1:1. Mix well. Soak the strip in the chemiluminescent solution; keep for 3-5 minutes under constant shaking.
10. Expose the membrane to a sheet of film and develop.

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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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