

# Product Datasheet

## CD97 Antibody - BSA Free NBP1-86935

Unit Size: 0.1 ml

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

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### Publications: 1

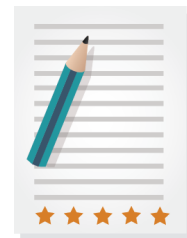
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**NBP1-86935**

CD97 Antibody - BSA Free

**Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Immunogen affinity purified                                                                                      |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

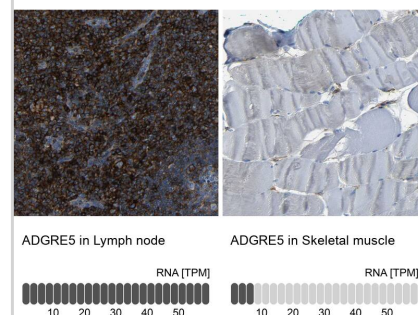
|                         |                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Rabbit CD97 Antibody - BSA Free (NBP1-86935) is a polyclonal antibody validated for use in IHC and WB. Anti-CD97 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit                                                                                                                                                                                                                                   |
| <b>Gene ID</b>          | 976                                                                                                                                                                                                                                      |
| <b>Gene Symbol</b>      | ADGRE5                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human, Mouse                                                                                                                                                                                                                             |
| <b>Reactivity Notes</b> | Mouse reactivity reported in scientific literature (PMID: 24949957).                                                                                                                                                                     |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>RDSKTSSAEVTIQNVIKLVDELMEAPGDVEALAPPVRHLIATQLLSNLEDIMRILA<br>KSLPKGPFTYISPSNTELTLMIQERGDKNVTMGQ                                                  |

**Product Application Details**

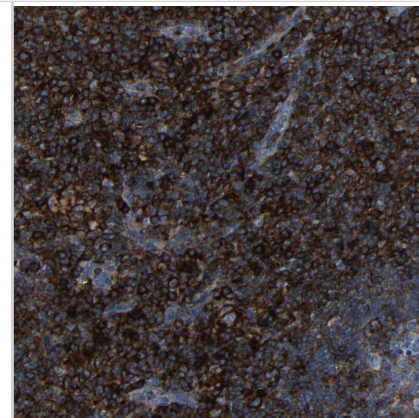
|                              |                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry                                            |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500 |
| <b>Application Notes</b>     | WB reported in scientific literature (PMID: 24949957). For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

**Images**

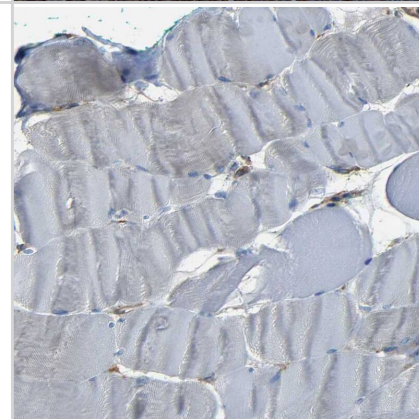
Analysis in human lymph node and skeletal muscle tissues  
Corresponding ADGRE5 RNA-seq data are presented for the same tissues.



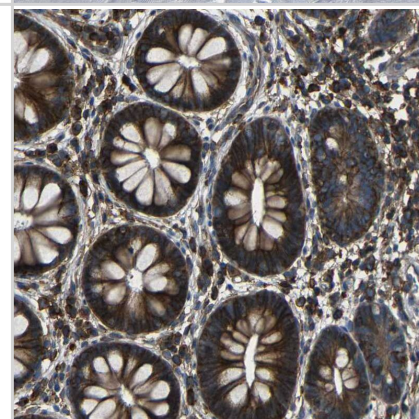
Staining of human lymph node shows strong membranous positivity in non-germinal center cells.



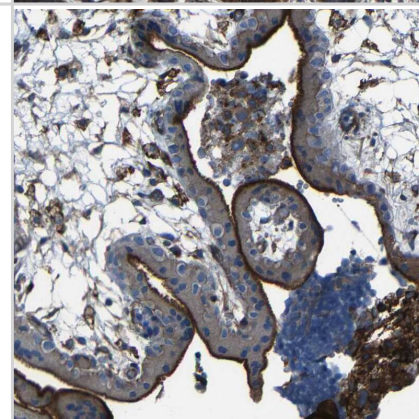
Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of human rectum shows strong cytoplasmic positivity in glandular cells.



Staining of human placenta shows strong positivity in microvilli in trophoblastic cells.



## Publications

Zyryanova T, Schneider R, Adams V et al. Skeletal Muscle Expression of the Adhesion-GPCR CD97: CD97 Deletion Induces an Abnormal Structure of the Sarcoplasmatic Reticulum but Does Not Impair Skeletal Muscle Function. PLoS One 2014-01-01 [PMID: 24949957] (WB, Mouse)



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### **Products Related to NBP1-86935**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-86935PEP | CD97 Recombinant Protein Antigen                    |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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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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