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IL-17RE Antibody
Catalog # ASC11598

Specification

IL-17RE Antibody - Product Information

Application	**WB**
Primary Accession	Q8NFR9
Other Accession	NP_705616, 301129232
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 78 kDa KDa**
Application Notes	**IL-17RE antibody can be used for detection of IL-17RE by Western blot at 1 - 2 µg/mL.**

IL-17RE Antibody - Additional Information

Gene ID	**132014**

Target/Specificity
IL17RE;

Reconstitution & Storage
IL-17RE antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
IL-17RE Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL-17RE Antibody - Protein Information

Name IL17RE

Function
Specific functional receptor for IL17C. May be signaling through the NF-kappa-B and MAPK pathways. May require TRAF3IP2 /ACT1 for signaling. May be a crucial regulator in innate immunity to bacterial pathogens. Isoform 2 and isoform 4 may be either cytoplasmic inactive or dominant active forms. Isoform 3 and isoform 5 may act as soluble decoy receptors.

Cellular Location
[Isoform 1]: Cell membrane; Single- pass type I membrane protein [Isoform 3]: Secreted. [Isoform 5]: Secreted.

Tissue Location
Predominantly expressed in mucosal tissues with high levels in keratinocytes and colon epithelial cells. Very low expression in dermal fibroblasts. Expressed in various tumor cell lines.

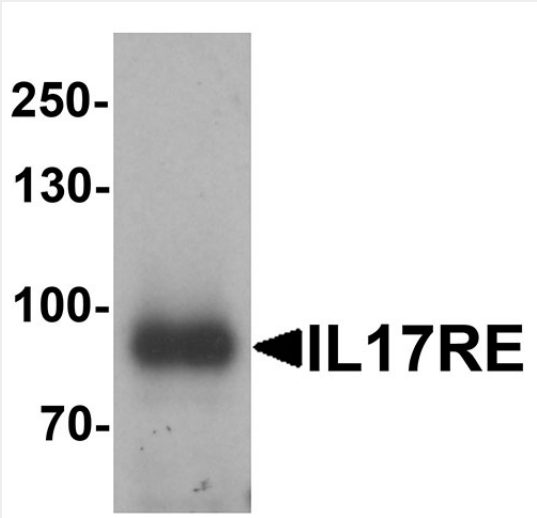
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IL-17RE Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IL-17RE Antibody - Images



Western blot analysis of IL-17RE in human ovary tissue lysate with IL-17RE antibody at 1 µg/mL.

IL-17RE Antibody - Background

IL-17RE Antibody: The interleukin 17 receptor E (IL-17RE) shares limited similarity to the receptor of IL-17A, a ubiquitous type I membrane glycoprotein that with IL-17A plays a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. IL-17RE is the functional receptor of IL-17C and has been suggested to mediate mucosal immunity to infection with intestinal pathogens. IL-17C is produced by epithelia in response to bacterial challenge and binds to a receptor complex formed by IL-17RE and IL-17RA on the epithelial cell surface, thereby regulating the immune function of epithelial cells in an autocrine manner.

IL-17RE Antibody - References

Li TS, Li XN, Chang CJ, et al. Identification and functional characterization of a novel interleukin 17 receptor: a possible mitogenic activation through ras/mitogen-activated protein kinase signaling pathway. Cell Signal. 2006; 18:1287-98.
Moseley TA, Haudenschild DR, Rose L, et al. Interleukin-17 family and IL-17 receptors. Cytokine Growth Factor Rev. 2003; 14:155-74.
Song Z, Zhu S, Shi P, et al. IL-17RE is the functional receptor for IL-17C and mediates mucosal immunity to infection with intestinal pathogens. Nat. Immunol. 2011; 12:1151-8.
Ramirez-Carrozzi V, Sambandam A, Luis E, et al. IL-17C regulates the innate immune function of epithelial cells in an autocrine manner. Nat. Immunol. 2011; 12:1159-66