10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

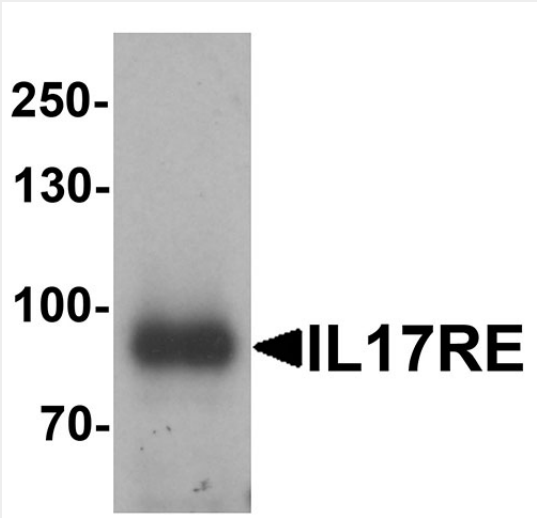
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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