

**IL25 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14661c****Specification**

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**IL25 Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9H293</a>
Other Accession	<a href="#">NP_073626.1</a> , <a href="#">NP_758525.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20330
Antigen Region	76-104

**IL25 Antibody (Center) - Additional Information****Gene ID** 64806**Other Names**

Interleukin-25, IL-25, Interleukin-17E, IL-17E, IL25, IL17E

**Target/Specificity**

This IL25 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-104 amino acids from the Central region of human IL25.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IL25 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL25 Antibody (Center) - Protein Information****Name** IL25**Synonyms** IL17E

**Function** Cytokine produced by various cells such as eosinophils, T- helper type 2 (Th2) cells or epithelial cells that plays a role in internal safety of adaptive immune responses by regulating cytokine production (PubMed:[25821217](#), PubMed:[15860795](#)). Promotes and augments T- helper type 2 responses locally or systemically (PubMed:[25821217](#)). Exerts its activity via its receptor composed of IL17RA and IL17RB for signal transduction (By similarity). In turn, stimulates the JAK2- STAT5A pathway and promotes the secretion of type-2 associated cytokines including IL4, IL9 and IL13 (PubMed:[25821217](#)). Induces also the release of IL8, and IL6 from eosinophils through the combined activation of MAPK and NF-kappa-B pathways (PubMed:[15860795](#)). Inhibits the differentiation of T-helper (Th17) cells via the production of IL4, IL5 and IL13 (PubMed:[11754819](#)).

#### **Cellular Location**

Secreted.

#### **Tissue Location**

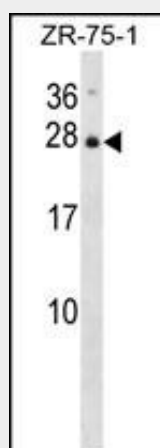
Expressed at low levels in several tissues, including brain, kidney, lung, prostate, testis, spinal cord, adrenal gland, and trachea

### **IL25 Antibody (Center) - Protocols**

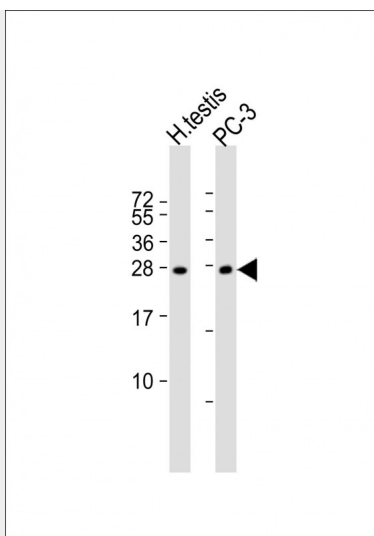
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

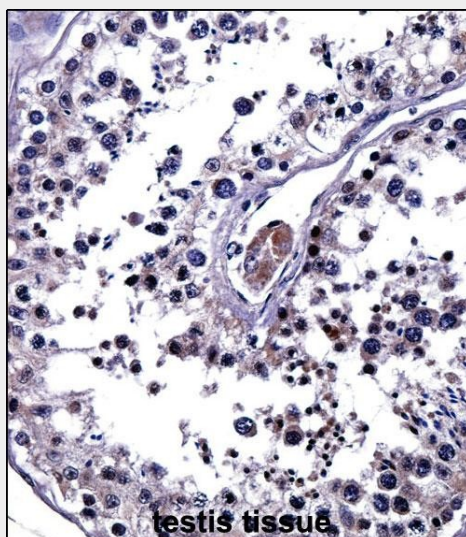
### **IL25 Antibody (Center) - Images**



IL25 Antibody (Center) (Cat. #AP14661c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the IL25 antibody detected the IL25 protein (arrow).



All lanes : Anti-IL25 Antibody (Center) at 1:1000 dilution Lane 1: human testis lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 20 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



IL25 Antibody (Center) (AP14661c) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of IL25 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### IL25 Antibody (Center) - Background

The protein encoded by this gene is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. Studies of a similar gene in mice suggest that this cytokine may be a pro-inflammatory cytokine favoring the Th2-type immune response. Alternative splicing results in multiple transcript variants.

### IL25 Antibody (Center) - References

Xu, G., et al. Allergy 65(5):581-589(2010)  
Davila, S., et al. Genes Immun. 11(3):232-238(2010)  
Goswami, S., et al. Nat. Immunol. 10(5):496-503(2009)  
Caruso, R., et al. Blood 113(15):3512-3519(2009)  
Garley, M., et al. Adv Med Sci 53(2):326-330(2008)