**Fc epsilon RI alpha Polyclonal ANTIBODY**

**Catalog Number:** 10980-1-AP

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### Basic Information

- **Catalog Number:** 10980-1-AP
- **Size:** 20 μg/150 μl
- **Source:** Rabbit
- **IgG Type:** Polyclonal
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG1398
- **GenBank Accession Number:** BC015195
- **Recommended Dilutions:**
  - WB: 1:500-1:1000
  - IHC: 1:20-1:200

### Applications

- **Tested Applications:** IHC, WB, ELISA
- **Cited Applications:** IHC
- **Species Specificity:** human, mouse
- **Cited Species:** human

**Note:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

### Background Information

Fc fragment of IgE, high affinity I, receptor for, alpha polypeptide, also known as high affinity immunoglobulin epsilon receptor subunit alpha, FCER1A and FCE1A, is a single-pass type I membrane protein which contains 2 immunoglobulin-like domains. FCER1A is a subunit of the IgE receptor, which is composed of one glycosylated alpha (FCER1A), one beta (FCER1B), and two gammas (FCER1G) subunits. The high affinity IgE receptor plays a central role in allergic disease, coupling allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma.

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
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<th>Journal</th>
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</tr>
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<tbody>
<tr>
<td>Andersson CK</td>
<td>21958196</td>
<td>Allergy</td>
<td>IHC</td>
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<tr>
<td>Andersson Cecilia K</td>
<td>21388906</td>
<td>J Allergy Clin Immunol</td>
<td>IHC</td>
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<tr>
<td>Andersson CK</td>
<td>1913451</td>
<td>Thorax</td>
<td>IHC</td>
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### Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffers:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

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For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Human spleen tissue were subjected to SDS-PAGE followed by western blot with 10980-1-AP (Fc epsilon RI alpha antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human prostate cancer using 10980-1-AP (Fc epsilon RI alpha antibody) at dilution of 1:100 (under 10x lens)