

**PAA545Hu01****Polyclonal Antibody to Immunoglobulin E (IgE)****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

**[ PRODUCT INFORMATION ]****Immunogen:** IgE**Clonality:** Polyclonal**Host:** Caprine**Immunoglobulin Type:** IgG**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 200µg/mL**UOM:** 100µg**[ IMMUNOGEN INFORMATION ]****Immunogen:** Native Protein IgE.**Accession No.:** NPA545Hu01**[ RELEVANCE ]**

Immunoglobulin E (IgE) is a class of antibody that has been found only in mammals. IgE's main function is immunity to parasites such as parasitic worms. IgE also plays an essential role in the immediate hypersensitivity states, such as asthma, hay fever, atopic dermatitis, and other well-known manifestations of atopic patients. IgE is present in normal individuals at very low concentrations, only 0.05% of the Ig concentration.

**[ ANTIBODY SPECIFICITY ]**

The antibody is a caprine polyclonal antibody raised against IgE. It has been selected for its ability to recognize IgE in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02%  $\text{NaN}_3$ , 50% glycerol.

## **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.