

Polyclonal Antibody to Immunoglobulin E (IgE)

Immunoglobulin E

Catalog # AP74491

Product Information

Application	WB
Primary Accession	P06336
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47321

Additional Information

Other Names	IGHE; Immunoglobulin Heavy Constant Epsilon; Ig epsilon chain C region
Target/Specificity	Mus musculus (Mouse)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL;1:450-1800 Immunohistochemistry: 5-20 μ g/mL;1:45-180 Immunocytochemistry: 5-20 μ g/mL;1:45-180 Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	IGHE {ECO:0000312 MGI:MGI:2685746}
Function	Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins- secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens. The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen.
Cellular Location	Secreted {ECO:0000250 UniProtKB:P01854}. Cell membrane

Images

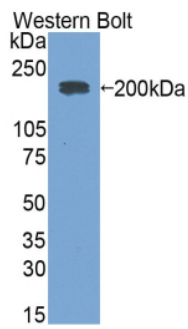


Figure. Western Blot; Sample: Recombinant IgE, Mouse.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.