

Anti-Rat IgG polyclonal antibody [HRP] (DPAB21817)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Donkey Anti-IgG Polyclonal Antibody
Target	IgG
Immunogen	Rat IgG whole molecule
Source/Host	Donkey
Species Reactivity	Rat
Purification	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay
Conjugate	HRP
Applications	WB, ELISA
Procedure	Secondary Antibodies
Format	Lyophilized
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Size	500 µg
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	None
Storage	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C

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	or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for sev
Ship	Ambient
Warnings	This product is for research use only and is not intended for therapeutic or diagnostic applications.

BACKGROUND

Introduction	Immunoglobulins belong to a group of related glyco proteins which make up 20% of serum proteins. Antigens and immunoglobulins react to confer immunity to individuals. Immunoglobulins have similar structures of two identical heavy chains and two identical light chains. Both the heavy chains and the light chains are divided into constant and variable regions. The constant regions have the same amino acid sequences between all the immunoglobulin classes. The variable regions have approximately 110 amino acids with high sequence variability. The amino acid sequence of the heavy chain determines the class of an immunoglobulin. The five types of immunoglobulin heavy chains are known as: IgG, IgA, IgM, IgD, and IgE. IgG is divided into four subclasses, and IgA is divided into two subclasses. In serum IgA and IgG are monomers with a single 4 polypeptide unit; while, IgM is a pen tamer. IgA may also form polymers. Kappa light chain antibody can be used for the identification of leukemias, plasmacytomas and certain non Hodgkin"s lymphomas. Kappa light chain contains one immunoglobulin like domain. The EU sequence has the INV allotypic marker, Ala 45 and Val 83. The ROY sequence has the INV allotypic marker, Ala 45 and Leu 83.
Keywords	Anti-Mouse IgG PAb; Donkey Anti-Mouse Immunoglobulin G Polyclonal Antibody; Ig gamma2chain C region; IGHG1; Immunoglobin heavy constant gamma 1; Immunoglobulin G; IgG; IgG;DKFZp686I04196; G2m marker; Ig gamma 2 chain C region; IGHG 2; IGHG2; Immunoglobuli

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