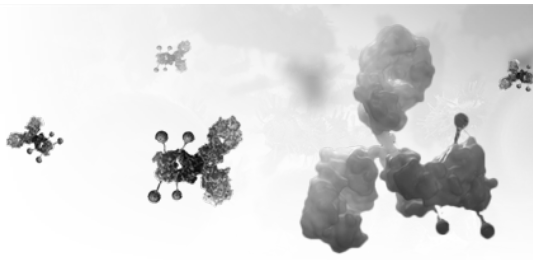

Anti-Goat IgG polyclonal antibody [AP] (DPBT-67072RA)

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

PRODUCT INFORMATION

Product Overview	Rabbit F(ab)2 Anti Goat IgG (H/L),APRabbit F(ab)2 Anti Goat IgG (H/L),AP
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Goat
Conjugate	AP
Applications	IHC, ELISA, IB, WB
Format	Purified IgG conjugated to Alkaline Phosphatase - liquid
Size	1 ml
Buffer	TRIS buffered saline, 1mM MgCl2
Preservative	0.09% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction	Immunoglobulin G (IgG) are antibody molecules. Each IgG is composed of four peptide chains - two heavy chains γ and two light chains. Each IgG has two antigen binding sites. Other

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	Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. IgG molecules are synthesized and secreted by plasma B cells. IgG antibodies are large molecules of about 150 kDa composed of 4 peptide chains. It contains 2 identical heavy chains of about60kDa and 2 identical light chains of about 25 kDa, thus a tetrameric quaternary structure. The two heavy chains are linked to each other and to a light chain each by disulfide bonds. The resulting tetramer has two identical halves, which together form the Y-like shape. Each end of the fork contains an identical antigen binding site. The Fc regions of IgGs bear a highly conserved N-glycosylation site. The N-glycans attached to this site are predominantly core-fucosylated diantennary structures of the complex type. In addition, small amounts of these N-glycans also bear bisecting GlcNAc and α-2,6-linked sialic acid residues.
Keywords	Ig gamma 1 chain C region; IGHG1; Immunoglobin heavy constant gamma 1; Immunoglobulin G; IgG; IgG heavy chain; Immunoglobulin G heavy chain

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