



# Anti-Rat IgG polyclonal antibody [R-PE] (CPBT-66028GA)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This product recognises rat IgG. The reagent has been adsorbed to minimise cross-reactivity with mouse immunoglobulins and is therefore of particular value in detecting rat primary antibodies bound to mouse tissues. We recommend diluting this product in buffer containing 10% normal mouse serum to remove any remaining cross-reactivity. Flow Cytometry Use 50ul of the suggested working dilution to label 106 cells in 100ul.
<b>Specificity</b>	IgG
<b>Immunogen</b>	Whole rat IgG
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Rat
<b>Conjugate</b>	PE
<b>Applications</b>	FC
<b>Size</b>	100 tests
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. This product should be stored undiluted. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ighg Immunoglobulin heavy chain (gamma polypeptide) [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	Ighg
<b>Synonyms</b>	IGHG; Immunoglobulin heavy chain (gamma polypeptide); RGD1359539; IGG;
<b>Entrez Gene ID</b>	<a href="#">299354</a>
<b>UniProt ID</b>	P20760
<b>Chromosome Location</b>	6q32
<b>Pathway</b>	Classical antibody-mediated complement activation; Complement cascade; Creation of C4 and C2 activators; FCGR activation; Fcgamma receptor (FCGR) dependent phagocytosis; Immune System; Initial triggering of complement; Innate Immune System; Regulation of actin dynamics for phagocytic cup formation; Role of phospholipids in phagocytosis;
<b>Function</b>	antigen binding