



# Anti-IgG polyclonal antibody (DPAB2711)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to IgG Biotinylated,`
<b>Specificity</b>	Detects goat IgG heavy and light chains. In Western blot, less than 5% cross-reactivity with Mouse IgG, rabbit IgG and human IgG is observed.
<b>Immunogen</b>	Goat IgG
<b>Isotype</b>	IgY
<b>Source/Host</b>	Donkey
<b>Species Reactivity</b>	Goat
<b>Purification</b>	Antigen Affinitypurified from egg yolks
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.
<b>Buffer</b>	0.2 mg/mL in sterile sterile Tris-buffered saline, pH 7.3 (20 mM Trizma base, 150mM NaCl) containing 0.1% bovine serum albumin.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freezethaw cycles. 1. 12 months from date of receipt, -20 to -70°C as supplied. 2. 1 month from date of receipt, 2 to 8 °C, reconstituted. 3. 6 months from date of receipt, -20 to -70°C, reconstitut

# BACKGROUND

Introduction	<p>IgG is a monomeric immunoglobulin, built of two heavy chains gamma and two light chains. Each molecule has two antigen binding sites. This is the most abundant immunoglobulin and is approximately equally distributed in blood and in tissue liquids, constituting 75% of serum immunoglobulins in humans. This is the only isotype that can pass through the human placenta, thereby providing protection to the fetus in its first weeks of life before its own immune system has developed. It can bind to many kinds of pathogens, for example viruses, bacteria, and fungi, and protects the body against them by complement activation (classic pathway), opsonization for phagocytosis and neutralisation of their toxins. There are 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).</p>
Keywords	<p>IgG Biotinylated; IgG; DKFZp686H11213; DKFZp686I04196; FLJ39988; FLJ40036; FLJ40253; FLJ40587; FLJ40789; FLJ40834; G1m marker; G2m marker; G3m marker; G4m marker; HDC; Heavy chain disease protein; Human immunoglobulin G; Ig gamma 1 chain C region; Ig gamma</p>