



## Anti-Goat IgG polyclonal antibody (DPAB2710)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to IgG-HRP
<b>Specificity</b>	Goat IgG heavy and light chain
<b>Immunogen</b>	goat IgG
<b>Isotype</b>	IgY
<b>Source/Host</b>	Chicken
<b>Species Reactivity</b>	Goat
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Supplied as a 0.2 um filtered solution in phosphate-buffered saline (PBS) (pH 7.0) with stabilizers.
<b>Buffer</b>	Phosphate-buffered saline (PBS)
<b>Preservative</b>	None
<b>Storage</b>	Neat samples can be stored at 2°C-8°C for at least 3 months without detectable loss of activity.

### BACKGROUND

<b>Introduction</b>	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
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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%).

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**Keywords**

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

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