



# Magic™ Anti-IGHA2 polyclonal antibody (DPAB2051CH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Chicken polyoclonal to human Immunoglobulin A. Chickens were immunized with highly purified human serum IgA and eggs were collected. An IgY fraction was prepared and the resulting antibodies were solid phase absorbed to ensure alpha chain specificity.
<b>Antigen Description</b>	IgA (immunoglobulin A) is a glycosylated protein of 160 kDa and is produced as a monomer or as a J chain linked dimer. Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces such as saliva, gastrointestinal secretion, bronchial fluids and milk. Mucosal IgA plays a major role in host defence by neutralising infectious agents at mucosal surfaces. The production is usually local and antigen specific IgA producing B cells can be found in regions under the lamina propria where they mature into dimeric IgA producing plasma cells. IgA deficiency is the most common immunodeficiency that may affect both serum and mucosal produced IgA.
<b>Immunogen</b>	Human Immunoglobulin A
<b>Isotype</b>	IgY
<b>Source/Host</b>	Chicken
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	AP
<b>Format</b>	Buffer in PBS, pH 7.2
<b>Concentration</b>	Typically greater than 1mg/ml
<b>Size</b>	1 mg

<b>Preservative</b>	None
<b>Storage</b>	2-4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IGHA2 immunoglobulin heavy constant alpha 2 (A2m marker) [ Homo sapiens ]</a>
<b>Official Symbol</b>	IGHA2
<b>Synonyms</b>	IGHA2; immunoglobulin heavy constant alpha 2 (A2m marker)
<b>Entrez Gene ID</b>	<a href="#">3494</a>
<b>Chromosome Location</b>	14q32.33
<b>Pathway</b>	Inflammatory Response Pathway
<b>Function</b>	antigen binding