



# Anti-PTX3 polyclonal antibody [Biotin] (DPABY-486)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Pentraxin 3 (PTX3), also known as TNF-stimulated gene 14 (TSG-14), is a secreted glycoprotein belonging to the Pentraxin family of proteins. It is the prototypical long Pentraxin, exhibiting a C-terminal Pentraxin domain characteristic of the family, and a unique N-terminal domain. It is produced by several cell types including endothelial and mononuclear cells. PTX3 acts as a pattern recognition receptor with non-redundant roles in the innate immune response to several microbial agents including the fungal pathogen <i>Aspergillus fumigatus</i> . Overexpression leads to enhanced pro-inflammatory responses. PTX3 is induced in response to LPS and inflammatory cytokines including TNF-alpha and IL-1 beta.
<b>Specificity</b>	Detects human Pentraxin 3/TSG-14 in ELISAs and Western blots. In sandwich immunoassays, less than 2% cross-reactivity with recombinant mouse Pentraxin 3 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Pentraxin 3/TSG-14. Glu18-Ser381 Accession Number P26022
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PTX3 pentraxin 3, long [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PTX3
<b>Synonyms</b>	PTX3; pentraxin 3, long; TSG-14; TNFAIP5; pentraxin-related protein PTX3; pentraxin-3; TNF alpha-induced protein 5; pentaxin-related protein PTX3; tumor necrosis factor alpha-induced protein 5; tumor necrosis factor, alpha-induced protein 5; tumor necrosi
<b>Entrez Gene ID</b>	<a href="#">5806</a>
<b>Protein Refseq</b>	<a href="#">NP_002843</a>
<b>UniProt ID</b>	<a href="#">P26022</a>
<b>Chromosome Location</b>	3q25
<b>Function</b>	(1->3)-beta-D-glucan binding; complement component C1q binding; virion binding;