PTX3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PTX3, Polyclonal Antibody
Full Product Name	PTX3 Polyclonal Antibody
Product Gene Name	anti-PTX3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	41kDa
OMIM	602492
3D Structure	ModBase 3D Structure for P26022
Immunogen	Recombinant protein of human PTX3 (NP_002843.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PTX3 antibody	Western Blot (WB)
Application Notes for anti-PTX3 antibody	WB: 1:500-1:2000
Related Product Information for anti-PTX3 antibody	This gene encodes a member of the pentraxin protein family. The expression of this protein is induced by inflammatory cytokines in response to inflammatory stimuli in several mesenchymal and epithelial cell types, particularly endothelial cells and mononuclear phagocytes. The protein promotes fibrocyte differentiation and is involved in regulating inflammation and complement activation. It also plays a role in angiogenesis and tissue remodeling. The protein serves as a biomarker for several inflammatory conditions.
Other Notes	Small volumes of anti-PTX3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PTX3 purchase	MBS8567498 is an antibody targeting PTX3. Also known as PTX3 Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTX3. It may not necessarily be applicable to this product.

NCBI GI #	167900484
NCBI GeneID	5806
NCBI Accession #	NP_002843.2
UniProt Primary Accession #	P26022

UniProt Related Accession #	P26022
GenBank Nucleotide #	NP_002843.2
NCBI Official Full Name	pentraxin-related protein PTX3
NCBI Official Synonym Full Names	pentraxin 3
NCBI Official Symbol	PTX3
NCBI Official Synonym Symbols	TSG-14; TNFAIP5
UniProt Protein Name	Pentraxin-related protein PTX3
UniProt Synonym Protein Names	Pentaxin-related protein PTX3; Tumor necrosis factor alpha-induced protein 5; TNF alpha-induced protein 5; Tumor necrosis factor-inducible gene 14 protein
Protein Family	Pentraxin-related protein
UniProt Gene Name	PTX3
UniProt Synonym Gene Names	TNFAIP5; TSG14; TNF alpha-induced protein 5; TSG-14
UniProt Entry Name	PTX3_HUMAN
NCBI Protein Information	pentraxin-related protein PTX3
UniProt Comments for PTX3	PTX3: Plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self- components and female fertility. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 3q25 Cellular Component: extracellular space; extracellular region Molecular Function: complement component C1q binding; zymosan binding; virion binding Biological Process: positive regulation of nitric oxide biosynthetic process; negative regulation of virion penetration into host cell; positive regulation of phagocytosis; innate immune response; response to yeast; opsonization; inflammatory response
Research Articles on PTX3	**1.** In HCV patients the PTX3 level increased in parallel with the METAVIR histological score of activity, being independently associated with the METAVIR fibrosis score (P < 0.001).
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