



Anti-IGFBP3 polyclonal antibody (DPAB-DC1683)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Specificity	This antibody is expected to recognize both reported isoforms (NP_001013416.1 and NP_000589.2).
Immunogen	A synthetic peptide corresponding to human IGFBP3. The sequence is C- RYKVDYESQSTDQTQN
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	IGFBP3 insulin-like growth factor binding protein 3 [Homo sapiens (human)]
Official Symbol	IGFBP3
Synonyms	IGFBP3; insulin-like growth factor binding protein 3; IBP3; BP-53; insulin-like growth factor-binding protein 3; IBP-3; IGFBP-3; binding protein 29; binding protein 53; IGF-binding protein 3; growth hormone-dependent binding protein; acid stable subunit of the 140 K IGF complex;
Entrez Gene ID	3486
Protein Refseq	NP_000589
UniProt ID	B3KPF0
Chromosome Location	7p13-p12
Pathway	Direct p53 effectors; Metabolism of proteins; Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs); Transcriptional misregulation in cancer
Function	fibronectin binding; insulin-like growth factor I binding; insulin-like growth factor binding; metal ion binding
