

AP01082PU-N**Polyclonal Antibody to IGFBP5 - Purified**

Alternate names:	IBP-5, IBP5, IGF-binding protein 5, IGFBP-5, Insulin-like growth factor-binding protein 5
Quantity:	0.5 ml
Background:	IGFBP5 is one of a family of proteins that bind to insulin-like growth factors (IGFs). IGFBP5 is a multifunctional protein which acts not only as a traditional binding protein but also functions as a growth factor independent of IGFs to stimulate bone formation. Currently there are seven named IGF-BPs that form high affinity complexes with both IGFI and IGFI. IGFBP5 is the major IGF-binding protein present in bone tissue and helps potentiate the action of IGFI on smooth muscle cells, fibroblasts or osteoblasts. Data shows that IGFBP5 acts as a growth inhibitor and pro-apoptotic agent in breast cancer cells. IGFBP5 overexpressing mice show an increase in neonatal mortality, reduced female fertility, whole-body growth inhibition and retarded muscle development.
Uniprot ID:	P24593
NCBI:	NP_000590.1
GeneID:	3488
Host:	Rabbit
Immunogen:	Purified human IGFBP-5
Format:	State: Liquid Ig fraction Purification: Ammonium sulfate precipitation Buffer System: PBS containing 0.09% Sodium Azide
Applications:	Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Human IGFBP-5.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.