

[KD]IGFBP7 Rabbit mAb

Catalog # AP75601

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q16270
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	29130

Additional Information

Gene ID	3490
Other Names	IGFBP7
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

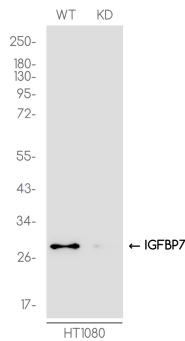
Name	IGFBP7
Synonyms	MAC25, PSF
Function	Binds IGF1 and IGF2 with a relatively low affinity. Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion. Acts as a ligand for CD93 to play a role in angiogenesis (PubMed: 38218180).
Cellular Location	Secreted.

Background

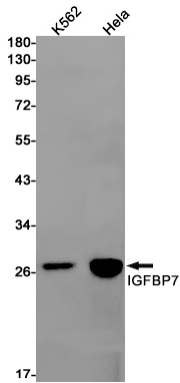
This gene encodes a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of

low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm (PMID:21835307).

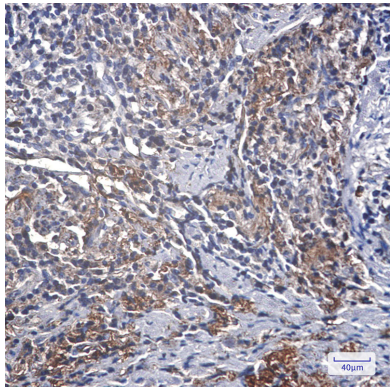
Images



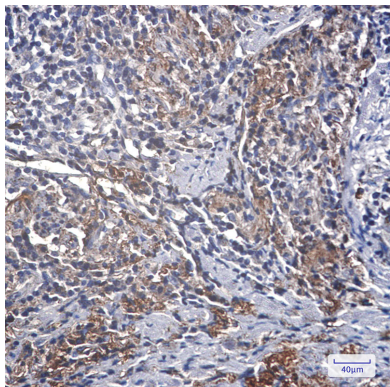
Western blot analysis of IGFBP7 in HT1080(WT) and IGFBP7-Knockdown HT1080(KD) using IGFBP7 antibody.



Western blot analysis of IGFBP7 in K562, Hela lysates using IGFBP7 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using IGFBP7 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.