

IGFBP4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6941c

Specification

IGFBP4 Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region IHC-P, WB,E <u>P22692</u> <u>P24854</u>, <u>005716</u>, <u>NP_001543.2</u>, <u>028893</u> Human, Mouse Bovine, Pig, Sheep Rabbit Polyclonal Rabbit IgG 27934 96-124

IGFBP4 Antibody (Center) - Additional Information

Gene ID 3487

Other Names Insulin-like growth factor-binding protein 4, IBP-4, IGF-binding protein 4, IGFBP-4, IGFBP4, IBP4

Target/Specificity

This IGFBP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-124 amino acids from the Central region of human IGFBP4.

Dilution IHC-P~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IGFBP4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

IGFBP4 Antibody (Center) - Protein Information

Name IGFBP4



Synonyms IBP4

Function IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.

Cellular Location Secreted.

IGFBP4 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

IGFBP4 Antibody (Center) - Images



IGFBP4 Antibody (Center) (Cat. #AP6941c) western blot analysis in mouse lung tissue lysates (15ug/lane).This demonstrates the IGFBP4 antibody detected IGFBP4 protein (arrow).





IGFBP4 antibody (Center) (Cat. #AP6941c) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IGFBP4 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

IGFBP4 Antibody (Center) - Background

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 binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.

IGFBP4 Antibody (Center) - References

Giroux, S., et al. Bone 47(5):975-981(2010) Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010) Bartling, B., et al. Int. J. Mol. Med. 25(1):89-96(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) : Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)