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Datasheet for ABIN181542

anti-IGFBP7 antibody

2 Images

Overview

Quantity:	50 µg
Target:	IGFBP7
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGFBP7 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (> 98%) E.coli recombinant Human IGFBP7
Specificity:	This antibody detects Human IGFBP7. Other species not tested.
Purification:	Affinity Chromatography employing immobilized Human IGF-BP7 matrix

Target Details

Target:	IGFBP7
Alternative Name:	IGFBP7 (IGFBP7 Products)
Background:	IGF-BPs form high affinity complexes with both IGF-I and IGF-II and act to control of the distribution, function and activity of IGFs in various cell tissues and body fluids. There are seven named IGF-BPs. IGFBP7 plays a role in skeletal myogenesis by binding to IGF in a manner that inhibits IGF induced differentiation of skeletal myoblasts, without affecting IGF induced proliferation. Additionally, IGFBP7 suppresses growth and colony formation of prostate and

Target Details

breast cancer cell lines through an IGF independent mechanism, which causes a delay in the G1 phase of the cell cycle, and increased apoptosis. IGFBP7 is expressed in a wide range of normal human tissues and it usually shows reduced expression in cancer cell lines of prostate, breast, colon, and lung origin. Synonyms: IBP-7, IBP7, IGF-binding protein 7, IGFBP-7, IGFBP-rP1, Insulin-like growth factor-binding protein 7, MAC25, PGI2-stimulating factor, PSF, Prostacyclin-stimulating factor, TAF, Tumor-derived adhesion factor

Gene ID: 3490

NCBI Accession: [NP_001544](#)

UniProt: [Q16270](#)

Pathways: [Growth Factor Binding](#)

Application Details

Application Notes: Sandwich ELISA: To detect hIGF-BP7 (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. In conjunction with Biotinylated Anti-Human IGF-BP7 (ABIN181539 or ABIN181540) as a detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant hIGF-BP7. Western blot: To detect hIGF-BP7 this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIGF-BP7 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: The lyophilized antibody is stable at -20 °C for one year from despatch. The reconstituted antibody is stable for two weeks at 2-8 °C. Frozen aliquots are stable for six months when stored at -20 °C.

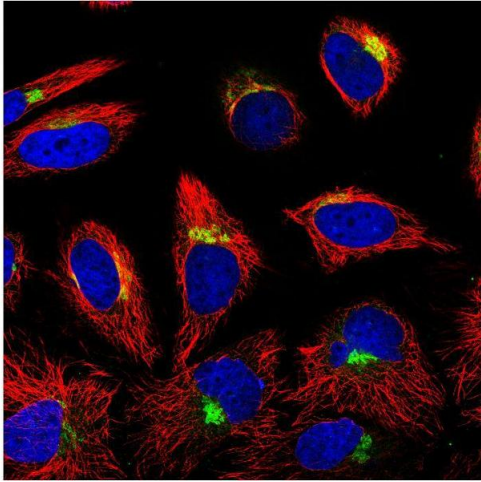


Image 1.

Image 2.

