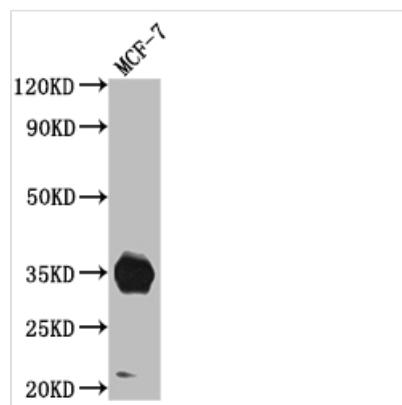




IGFBP2 Antibody

Product Code	CSB-RA225697A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P18065
Immunogen	A synthesized peptide derived from human IGFBP2
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	Inhibits IGF-mediated growth and developmental rates. 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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Signal transduction
Gene Names	IGFBP2
Accession NO.	7G11

Image



Western Blot

Positive WB detected in: MCF-7 whole cell lysate

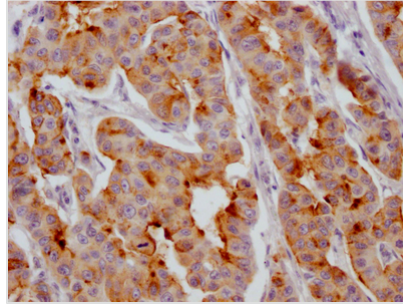
All lanes: IGFBP2 antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 35 kDa

Observed band size: 35 kDa



IHC image of CSB-RA225697A0HU diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

IGFBP2 is a pleiotropic polypeptide that functions as autocrine and/or paracrine growth factors. IGFBP2 is most abundant in the cerebrospinal fluid (CSF) and highly expressed in the developing brain. It plays an essential role in several key oncogenic processes, such as tumor cellular proliferation, migration, invasion, angiogenesis, epithelial-to-mesenchymal transition, and immunoregulation. Aberrant overexpression of IGFBP2 is linked to an aggressive phenotype of multiple human cancers, including glioma, ovarian, prostate, and pancreatic carcinomas. High circulating IGFBP2 levels may serve as a useful diagnostic or prognostic tumor biomarker in many types of cancer and are closely associated with relapse and a poorer outlook for patients with cancer.

The recombinant IGFBP2 antibody was prepared by obtaining the antibody genes, cloning the genes into a plasma vector to construct vector clone, transfecting the vector clone into a mammalian cell line for transient expression, and purifying the antibody by Affinity-chromatography. This recombinant IGFBP2 antibody has been verified to detect the IGFBP2 protein from Human in the ELISA, WB, IHC.