ARG10676
anti-IGFBP1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IGFBP1
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IGFBP1
Species	Mouse
Immunogen	Synthetic peptide corresponding to the sequence at a.a 177-207 (REIADLKKWKEPCQRELYKVLERLAAAQQKA) around the C-terminus of mouse IGFBP1 protein.
Conjugation	Un-conjugated
Alternate Names	AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1; IGF-binding protein 1; IGFBP-1; Placental protein 12

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

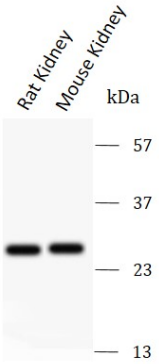
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	1X PBS, 0.025% Sodium azide and 2.5% BSA
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 16006 Mouse GeneID: 25685 Rat Swiss-port # P21743 Rat Swiss-port # P47876 Mouse
Gene Symbol	Igfbp1
Gene Full Name	Insulin Like Growth Factor Binding Protein 1
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. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. [provided by RefSeq, Jul 2008]
Function	GF-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. Promotes cell migration. [UniProt]
Calculated Mw	28 kDa
PTM	Phosphorylated; probably by casein kinase II. Phosphorylation alters the affinity of the protein for IGFs. In amniotic fluid, the unmodified protein is the most abundant form, while mono-, bi-, tri- and tetraphosphorylated forms are present in decreasing amounts. The phosphorylation state may influence the propensity to proteolysis.

Images



ARG10676 anti-IGFBP1 antibody WB image

Western blot: 1) rat kidney, 2) mouse kidney lysates stained with ARG10676 anti-IGFBP1 antibody at 0.5 µg/mL dilution.

1) rat kidney, 2) mouse kidney