



Rabbit Anti-Fibulin 2 antibody

SL13160R

Product Name:	Fibulin 2
Chinese Name:	纤连蛋白2抗体
Alias:	Fibulin-2; Fbln2; FBLN2_HUMAN; FIBL-2; Fibulin-2; OTTHUMP00000216670; OTTHUMP00000216671; OTTHUMP00000216672.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	124kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Fibulin 2:501-600/1184
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Fibulin-1 and Fibulin-2 associate with Fibronectin and other extracellular matrix proteins. In bone marrow, Fibulin-1 and Fibulin-2 bind to Fibronectin in the adherent layer. Fibulin-1 expression is stimulated by estrogen in ovarian cancer cell lines and has been suggested as both an agent of metastasis in ovarian cancer cells and as an indicator for predicting cancer risk or aggressiveness in ovarian carcinomas. The mobility of cancer cells may be inhibited with increasing exposure to Fibulin-1. Fibulin-2 binds to the lectin domains of extracellular matrix proteins aggrecan, versican and brevican.

Fibulin-2 is abundantly expressed in heart, placenta and ovarian tissue, where it localizes to basement membranes and connective tissue compartments. In mice, differential Fibulin-2 gene expression correlates with the early phase of diabetic kidneys and glomerulosclerosis. The gene encoding human Fibulin-2 maps to chromosome 3p25.1.

Function:

Its binding to fibronectin and some other ligands is calcium dependent.

Subunit:

Homotrimer; disulfide-linked. Interacts with LAMA2 (By similarity).

Subcellular Location:

Secreted; extracellular space; extracellular matrix.

Tissue Specificity:

Component of both basement membranes and other connective tissues. Expressed in heart, placenta and ovary.

Post-translational modifications:

O-glycosylated with core 1 or possibly core 8 glycans. It is unsure if the O-glycosylation is on Thr-347 or Ser-348.

Similarity:

Belongs to the fibulin family.
Contains 3 anaphylatoxin-like domains.
Contains 11 EGF-like domains.

SWISS:

P98095

Gene ID:

2199

Database links:

[Entrez Gene: 2199](#)Human

[Entrez Gene: 14115](#)Mouse

[Omin: 135821](#)Human

[SwissProt: P98095](#)Human

[SwissProt: P37889](#)Mouse

[Unigene: 198862](#)Human

[Unigene: 249146](#)Mouse

[Unigene: 410235](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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