

# Rabbit anti Fibulin-2 Polyclonal Antibody

Alternative Name(s): FBLN2; fibulin 2; FIBL-2

## **Order Information**

Description: Fibulin-2
Catalogue: 600-630
Lot: See label
Size: 100ug/200ul
Host: Rabbit
Clone: nan

• Application: IHC(P), WB • Reactivity: Hu, Rt, Ms

## **ANTIGEN PREPARATION**

A synthetic peptide corresponding to the 1140-1165aa of Fibulin-2 protein. This sequence is identical to mouse, human and rat

## **BACKGROUND**

Fibulin-2, a 1221 amino acids protein containing 26-residue signal peptide, is an extracellular matrix protein expressed by normal epithelia. Study by immunofluorescence localizations using mouse tissue, Fibulin-2 was extracellular localized in basement membrane and other connective tissue compartments. By Immunohistochemistry, Fibulin-2 was expressed in fibrobasts but not in several tumor cell lines. In the serum level of fibulin-2 is 1,000-fold lower than that of fibulin-1. Fibulin-2 was found to be down-regulated in several breast cancer cell lines as well as the decreased expression in breast cancer tissue samples. Re-introduction of Fibulin-2 into breast cancer cell lines that do not express Fibulin-2 reduced cancer cell motility and invasion in vitro but had no effect on cell growth and adhesion properties. Together with evidence that Fibulin-2 contributes to wound healing and inhibits smooth muscle cell migration. The loss of Fibulin-2 expression may facilitate migration and invasion in breast cancer.

## **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

# **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

#### **SPECIFICITY**

This antibody recognizesFibulin-2 Protein. It cross-reacts with human, mouse and rat. The other species are not tested.

## **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

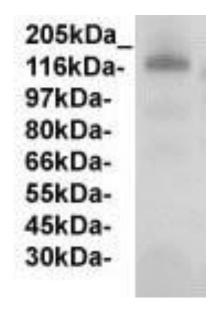
## **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1 μg/ml
- ELISA: 0.01-0.1 μg/ml
- Immunoprecipitation: 2-5 μg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 48.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane



\*Optimal dilutions should be determined by researchers for the specific applications.





Western Blot: The tissue lysate derived from mouse kidney was resolved onto 10% SDS-PAGE, transferred onto NC membrane, and immunoprobed by Rabbit anti Fibulin-2 (Cat#600-630) at 1:500. An immunoreactive band around ~130 kDa was observed.

# **REFERENCES**