

Basic Information

Product Name	Anti-TIMP3 Antibody
Gene Name	TIMP3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human TIMP3 recombinant protein (Position: C24-P211). Human TIMP3 shares 97.9% and 97.3% amino acid (aa) sequence identity with mouse and rat TIMP3, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	24 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

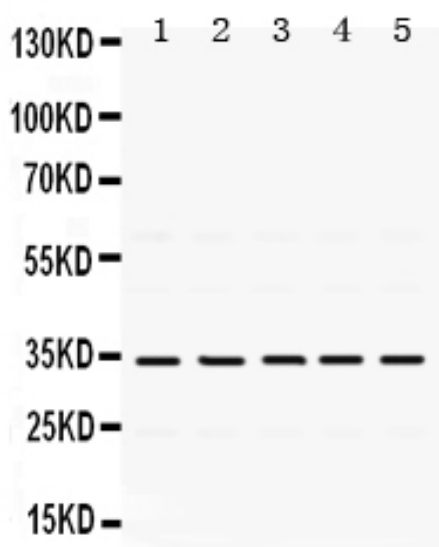
Background Information

Metalloproteinase inhibitor 3 is a protein that in humans is encoded by the TIMP3 gene. It is mapped to 22q12.1-q13.2. This gene belongs to the tissue inhibitor of metalloproteinases gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy.

Reference

Anti-TIMP3 Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of TIMP3 using anti-TIMP3 antibody (PB0876).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Rat kidney tissue lysates,

Lane 2: Mouse ovary tissue lysates,

Lane 3: HELA whole cell lysates,

Lane 4: MCF-7 whole cell lysates,

Lane 5: SMMC whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-TIMP3 antigen affinity purified polyclonal antibody (PB0876) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TIMP3 at approximately 24 kDa. The expected band size for TIMP3 is at 24 kDa.