

# Anti-TIMP1 Antibody [PSH21-35] - BSA and Azide free

## HA751798



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Mouse
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 23 kDa
<b>Clone number:</b>	PSH21-35

**Description:** This gene belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction.

**Immunogen:** Recombinant protein within rat TIMP1 aa 1-217.

**Positive control:** C2C12 cell lysate, MEF cell lysate.

**Subcellular location:** Secreted.

**Database links:** SwissProt: P12032 Mouse

**Recommended Dilutions:**

**WB** 1:5,000

**Storage Buffer:** 1\*PBS (pH7.4).

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

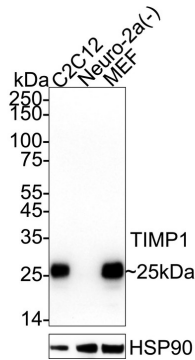
Service mail:support@huabio.cn

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## Images

**Fig1:** Western blot analysis of TIMP1 on different lysates with Rabbit anti-TIMP1 antibody (HA751798) at 1/5,000 dilution.

Lane 1: C2C12 cell lysate  
Lane 2: Neuro-2a cell lysate (negative)  
Lane 3: MEF cell lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 23 kDa  
Observed band size: 25 kDa

Exposure time: 59 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA751798) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Guccini I et al. Senescence Reprogramming by TIMP1 Deficiency Promotes Prostate Cancer Metastasis. *Cancer Cell*. 2021 Jan
2. Schoeps B et al. TIMP1 Triggers Neutrophil Extracellular Trap Formation in Pancreatic Cancer. *Cancer Res*. 2021 Jul

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