



Rabbit Anti-MUSTN1 polyclonal antibody (CABT-RM104)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Specificity | Detects Musculoskeletal embryonic nuclear protein 1 (MUSTN1) in human and mouse. It targets an epitope within 12 amino acids from the C-terminal region. |
| Target | MUSTN1 |
| Immunogen | KLH-conjugated linear peptide corresponding to 12 amino acids from the C-terminal region of human Musculoskeletal embryonic nuclear protein 1. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse |
| Purification | Affinity Purified |
| Conjugate | unconjugated |
| Applications | WB, IHC |
| Molecular Weight | ~13 kDa observed; 8.91 kDa calculated. Uncharacterized bands may be observed in some lysate(s). |
| Format | Liquid |
| Size | 25 µg |
| Buffer | 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl |
| Preservative | 0.05% sodium azide |

Storage

Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction

Musculoskeletal embryonic nuclear protein 1 is encoded by the MUSTN1 gene in human. MUSTN1 is a small protein of the MUSTANG family that is found predominantly in the musculoskeletal system. It plays a role in the development and regeneration of the musculoskeletal system. It localizes to the nucleus and specifically, spatially in mesenchymal cells of the developing limbs and in the fracture callus in periosteal osteoprogenitor cells, proliferating chondrocytes, and young active osteoblasts. MUSTN1 sequence is highly homologous in vertebrates and contains a nuclear localization sequence without any other significant motifs. MUSTN1 is highly expressed during embryogenesis and is essential for chondrocyte proliferation and differentiation.

Keywords

MUSTN1; Musculoskeletal embryonic nuclear protein 1

GENE INFORMATION

Entrez Gene ID

[389125](#)

UniProt ID

[Q8IVN3](#)
