# Recombinant RUNX2 Monoclonal Antibody

**catalog number:** **AN300866L**

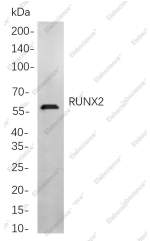
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant Human RUNX2 protein |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C110490 |
| **Purification** | Protein A affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:2000-1:10000 |
| **IHC** | 1:1000-1:5000 |
| **IF** | 1:200-1:1000 |
| **IP** | 1:50-1:200 |
| **ELISA** | 1:5000-1:20000 |

## Data




Western Blot with Recombinant RUNX2 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: MDA-MB-231 cells.

**Observed-MW:57 kDa**

**Calculated-MW:57 kDa**

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles. |
| **Shipping** | Ice bag |

## Background

This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Two regions of potential trinucleotide repeat expansions are present in the N-terminal region of the encoded protein, and these and other mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing.


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