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# **Recombinant RUNX3 Monoclonal Antibody**

catalog number: AN301806L

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

### **Description**

Reactivity Human;

Immunogen Recombinant human RUNX3 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A518

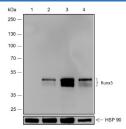
**Purification** Protein A purified

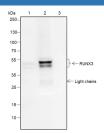
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

**WB** 1:500-1:1000 **IP** 1:25-1:50

#### Data





Western Blot with RUNX3 Monoclonal Antibody at dilution of Immunoprecipitation analysis using anti-RUNX3 Monoclonal 1:1000. Lane 1: MCF-7(Negative control), Lane 2: Ramos,

Antibody. Western blot was performed from the

Lane 3: Raji, Lane 4: HT-1080 Observed-MW:44-46 kDa Calculated-MW:46 kDa Antibody. Western blot was performed from the immunoprecipitate using RUNX3 Monoclonal Antibody at a dilution of 1:50. Lane 1: 10% Input, Lane 2: RUNX3 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:44-46 kDa Calculated-MW:46 kDa

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

RUNX3 is a member of the Runt family of transcription factors, playing an important role in the suppression of gastric epithelium cell proliferation, dorsal root ganglia neurogenesis, and T cell differentiation. RUNX3 is also involved in Caspase-3-dependent apoptosis. Protein complexes containing RUNX3 and various transcription factors, such as Smads or  $\beta$ -catenin/TCF4, have tumor suppressor activity and regulate downstream target gene transcription. While typically localized to the nucleus, RUNX3 can be tyrosine phosphorylated and located in the cytoplasm of many cancer cells. This mislocalization of RUNX3 abolishes its tumor suppressor function and contributes to tumorigenesis.

## For Research Use Only

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