

# Avidin Recombinant

*Avidin Recombinant*  
NTP0010

## Product Overview

Name Avidin Recombinant

### Description

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Accession (Primary) [P02701](#)

### Immunogen

Anti-human Axin1 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human Axin1 amino acids 546-752 purified from E. coli.

### Synonyms

Axin-1, Axis inhibition protein 1, hAxin, AXIN1, AXIN, MGC52315.

### Introduction

AXIN1 is a cytoplasmic protein, which contains a regulation of G-protein signaling (RGS) domain and a dishevelled and axin (DIX) domain. Axin1 is has been characterized as a tumor suppressor. In addition, Axin1 has an essential role in the formation of the embryonic neural axis. It has also been reported that Axin is found in mitotic spindles and centrosomes. AXIN1 interacts with adenomatosis polyposis coli, catenin beta-1, glycogen synthase kinase 3 beta, protein phosphate 2, and itself. AXIN1 functions as a negative regulator of the WNT1 signaling pathway and is able to induce apoptosis. Axin can be identified in a mouse mutant strain, created by random integration of a transgene. Mutations in the AXIN1 gene are linked to hepatocellular carcinoma, hepatoblastomas, ovarian endometriod adenocarcinomas, and medullablastomas.

### Formulation

1mg/ml containing PBS, pH-7.4, 10% Glycerol and 0.02% Sodium Azide.

### Applications

Axin1 antibody has been tested by ELISA, Western blot, Immunofluorescence, and Immunoprecipitation analyses to assure specificity and reactivity. Since applications vary, however, each investigation should be titrated by a reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:500.

### Type

Mouse Anti Human Monoclonal.

### Clone

PAT1A4AT.

**Ig Subclass**

Mouse IgG2b heavy chain and ? light chain.

**Purification Method**

Axin1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

**Storage Procedures**

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

**Stability / Shelf Life**

12 months at -20°C. 1 month at 4°C.

**Precautions**

Avidin Recombinant is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [P02701](#) )**