

# **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

### NOTCH1(M2011R)

## **NOTCH1(M2011R)**

Cat. #: 26444 Size: 100 µL

Gene Symbol: NOTCH1, AOS5, AOVD1, TAN1, hN1

**Description:** Anti-NOTCH1(M2011R) Mouse Monoclonal Antibody **Background:** NOTCH1 is a human gene encoding a single-pass

transmembrane receptor. It is a member of the NOTCH family. NOTCH family members play a role in a variety of developmental processes by controlling cell fate decisions. Diseases associated with NOTCH1 include aortic valve disease 1 and adams-oliver syndrome 5, and so on. An important paralog of this gene is NOTCH2.

**Immunogen:** A synthetic peptide from the internal region of NOTCH1 which includes the mutation of M2011R, human origin.

Applications: ELISA, WB, IF, IHC

**Recommended Dilutions:** 

ELISA: 1:1000-1:2000 WB: 1:500-1:1000 IF: 1:50-1:100

Concentration: 1 mg/ml Host Species: Mouse

Format: Liquid

IHC: 1:50-1:100

**Clonality:** Monoclonal

Isotype: IgG

Purity: Purified from ascites

**Preservative:** No

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 50%

glycerol

Species Reactivity: Recognizes M2011R mutant, but not wild type NOTCH1 of

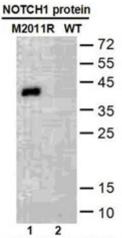
vertebrates.

Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing



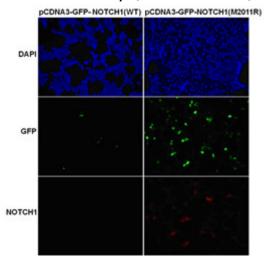
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Western blot: WB: anti-NOTCH1 (M2011R) mAb

Western blot analysis of recombinant NOTCH1(M2011R) and wild type proteins. Purified His-tagged NOTCH1(M2011R) protein (lane1) and corresponding wild type protein (lane2) were blotted with Anti-NOTCH1(M2011R) monoclonal antibody (Cat. #26444).



#### Immunofluorescence:

Immunofluorescence of cells expressing NOTCH1 proteins with Anti-NOTCH1(M2011R) antibody. HEK293T cells were transfected with pCDNA3-GFP-NOTCH1 (WT) plasmid (left column) or pCDNA3-GFP-NOTCH1(M2011R) plasmid (right column), then fixed and stained with Anti-NOTCH1(M2011R) monoclonal antibody (Cat. #26444).