

OsNPR1 Rabbit pAb

Catalog No.: A20582 **1 Publications**

Basic Information

Observed MW

72kDa

Calculated MW

64kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Oryza sativa

Background

Key positive factor of disease resistance. Plays an essential role in benzothiadiazole (BTH)-induced resistance to the blast fungus disease caused by *Magnaporthe oryzae*. Involved in defense response against the bacterial blight disease caused by *Xanthomonas oryzae* pv. *oryzae* (Xoo). Over-expression of NPR1/NH1 confers disease resistance to Xoo, but also enhances herbivore susceptibility. Functions as a transcriptional coactivator of TGA2.1 and LG2 in vitro. Involved in defense response against herbivore. Plants silencing NPR1/NH1 have increased herbivore-induced trypsin proteinase inhibitors and volatiles, which reduces the performance of the striped stem borer (SSB) *Chilo suppressalis*

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

4327315

Swiss Prot

Q9FDY4

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 475-582 of *Oryza sativa* OsNPR1. (Q9FDY4).

Synonyms

NH1; PR2; NPR1; NPR2; OsNH1; OsNPR1

Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

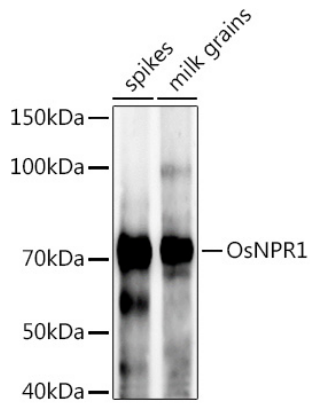
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various tissues from the japonica rice (*Oryza sativa* L.) variety Zhonghua 11, using OsNPR1 Rabbit pAb (A20582) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 30s.