

OsNPR1 Rabbit pAb

Catalog No.: A20582 **2 Publications**

Basic Information

Observed MW

72kDa

Calculated MW

64kDa

Category

Primary antibody

Applications

WB, ELISA

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4327315

Swiss Prot

Q9FDY4

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

NH1; PR2; NPR1; NPR2; OsNH1; OsNPR1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

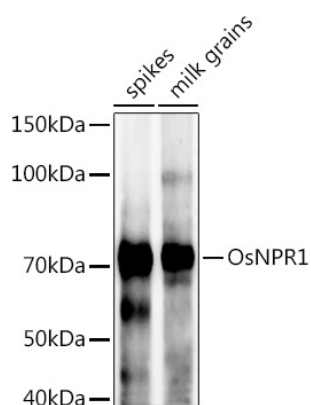
Affinity purification

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-conjugated 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.