OsNPR1 Rabbit pAb

Catalog NO.: A20582 **2 Publications**

Basic Information

Observed MW
72kDa

Calculated MW
64kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Oryza sativa

Conjugation
Unconjugated

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

Product Information

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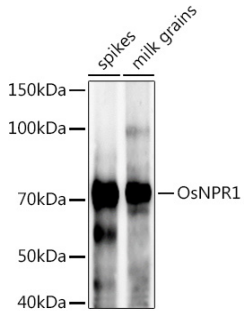
Source
Rabbit

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.

For research use only. Not for therapeutic or diagnostic purposes.

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