

OsNRT2.3 Rabbit pAb

Catalog No.: A20571

Basic Information

Observed MW

53/55 kDa

Calculated MW

55kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Oryza sativa

Background

Involved in nitrate transport, but does not seem to be able to mediate transport by its own. Acts as a dual component transporter with NAR2.1. Imports nitrate with high affinity when expressed with NAR2.1 in a heterologous system (*Xenopus oocytes*). Plays a key role in long-distance nitrate transport from root to shoot particularly at low external nitrate supply

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

4340170

Swiss Prot

Q94JG1

Immunogen

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

Synonyms

MPK1; sipk; MAPK6; OsSIPK; OsMAPK6; OsNRT2.3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

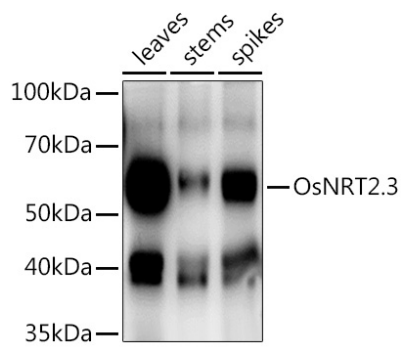
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 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 OsNRT2.3 Rabbit pAb (A20571) 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.