OsIRE1 Rabbit pAb

Catalog NO.: A20585

Basic Information

Observed MW
90kDa

Calculated MW
99kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Oryza sativa

Conjugation
Unconjugated

Background

Involved in endoplasmic reticulum (ER) stress response. Senses unfolded proteins in the lumen of the ER via its N-terminal domain which leads to enzyme auto-activation. The active endoribonuclease domain splices bZIP50 mRNA to generate a new C-terminus, converting it into a potent unfolded-protein response (UPR) transcriptional activator, which then induces transcription of UPR target genes, such as luminal-binding protein (BiP) chaperones.

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
4343198

Swiss Prot
Q7XIT1

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

Synonyms
IRE1; OsIRE1; OsIre1p; OsJ_24190; OJ1103_E04.109

Contact

Product Information

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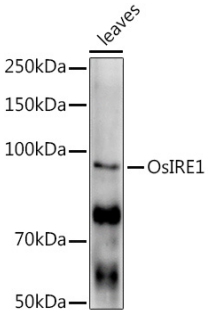
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of extracts of various tissues from the japonica rice (Oryza sativa L.) variety Zhonghua 11, using OsIRE1 Rabbit pAb (A20585) 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: 300s.

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

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