

## CAB20367

---

### Product Information

<b>Product SKU:</b>	CAB20367	<b>Gene ID:</b>	4338079	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Oryza sativa

---

### Additional Information

<b>Observed MW:</b>	45kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	46kDa	<b>Isotype:</b>	IgG

---

### Immunogen Information

**Background:** Serine-threonine kinase that acts as a negative regulator of brassinosteroid (BR) signaling. Phosphorylates DLT and BZR1, two positive regulators that mediates several BR responses. Phosphorylation of DLT and BZR1 inhibits their activities in BR signaling. Phosphorylates OFP8, a positive regulator of BR responses. Phosphorylated OFP8 shuttles from the nucleus to the cytoplasm where it is degraded by the proteasome. Phosphorylates the E3 ubiquitin-protein ligase PUB24, a negative regulator of BR signaling, which targets BZR1 and promotes its degradation via the 26S proteasome. Phosphorylation of PUB24 increases its stability. Phosphorylates the AP2-ERF transcription factor SMOS1, a positive regulator of BR signaling, which cooperatively functions in a transactivating complex with BZR1 to enhance the transcription of BR biosynthetic genes. Phosphorylation of SMOS1 leads to its degradation by an unknown mechanism.

**Recommended Dilution:** WB,1:500 - 1:2000

**Synonyms:** GSK2; SK22; OsGSK2; OsSK22; OJ1430\_B02.4

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide of Oryza sativa OsGSK2.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.