

# Anti-Nitrogenase iron protein antibody

Catalog: PHY3019S

## Product Information

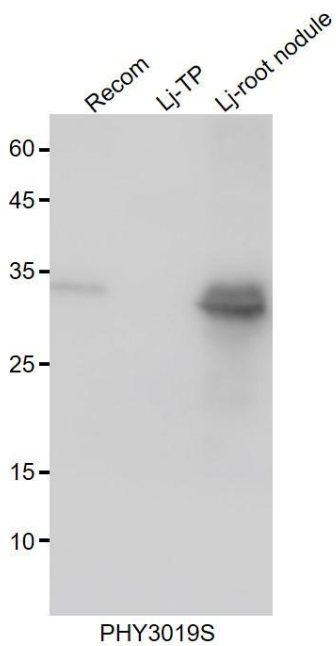
<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	nifH
<b>Synonyms:</b>	nifH
<b>Immunogen:</b>	Recombinant protein of nifH (1-297aa) derived from <i>Mesorhizobium japonicum</i> mlr5905.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum
<b>Reconstitution:</b>	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	32 kDa
<b>Confirmed Reactivity:</b>	<i>Mesorhizobium japonicum</i>
<b>Predicted Reactivity:</b>	For more species homologues information, please contact tech support at <a href="mailto:tech@phytoab.com">tech@phytoab.com</a> .

Research Use Only

## Application Example



**Recom:** 10 ng His-nifH fusion protein and having a molecular mass of 34 kDa.

**Lj-TP:** 30 µg total protein extracted from root nodule of *Lotus japonicus* MG-20.

**Lj- root nodule:** 30 µg total protein extracted from root nodule of *Lotus japonicas*.

**Electrophoresis:** 10% SDS-PAGE

**Transfer:** blotting to PVDF membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:2000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG &L (HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.