

## Product Datasheet

### GlnA - Glutamine synthetase GRP12176

<b>Species/Host</b>	Chicken
<b>Reactivity</b>	Bacteria
<b>Predicted Reactivity</b>	Alpha, beta, gamma proteobacteria, Arthropsira sp. PCC 8005, Crenarchaeotes, Enterobacteria, Euryarchaeotes, Thermotogales Species of your interest not listed? Contact us
<b>Tested Applications</b>	WB
<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from available bacterial GlnA sequences with perfect conservation in alpha, beta, gamma Proteobacteria, Enterobacteria, Thermotogales, Low GC Gram+, Cyanobacteria (except weak conservation with <i>Trichodesmium thiebautii</i> ) including <i>Synechocystis</i> PCC 6803 Q59981
<b>Form/Appearance</b>	Liquid in PBS pH 8.0, 0.02% sodium azide
<b>Storage</b>	Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.
<b>Note</b>	For research use only.
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Total IgY
<b>MW</b>	53 kDa
<b>Uniprot ID</b>	P77961 , Q59981
<b>Dilution Range</b>	1 : 5000 (WB)
<b>Application Notes</b>	Additional Information: Peptide target used to elicit this antibody has a weak, sporadic conservation with Glutamine Synthetase to III, antibody not expected to detect this enzyme. Weak conservation with some Glutaminyl-tRNA synthetase (Glutamine--tRNA ligase) (GLNRS), but this antibody is not expected to detect this enzyme. Background: Glutamine synthetase (EC=6.3.1.2) is the key enzyme in the incorporation of mineral nitrogen into glutamine. Activity of this enzyme is controlled by adenylarion under conditions of abundant glutamine.

