

product **AS03 031S**

**mPGES-1 glutathione dependent prostaglandin E synthase protein | positive control**

### product information

<b>background</b>	mPGES-1 is an inducible glutathione dependent prostaglandin E synthase that converts cyclooxygenase derived PGH2 into PGE2.
<b>immunogen</b>	does not apply
<b>antibody format</b>	does not apply
<b>quantity</b>	50 µl (20.5 µg) liquid
<b>storage</b>	store protein standard at -20 °C; Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>tested applications</b>	Western blot (WB), immunolocalization (blocking protein for antibody)
<b>additional information</b>	Protein is provided in 10 mM NaPI, pH 8, 150 mM KCl, 0.1 mM EDTA, 1mM GSH, 10 % glycerol, 0,1 % reduced Triton X-100. It has been produced in <i>E.coli</i> .  If intended to be used in Western blot, loading buffer should be added and the solution should be heated up in 98 °C for 5 minutes before loading on the gel.

### application information

<b>recommended dilution</b>	positive control: 5 µl load per well is optimal for most chemiluminescent detection systems.  preabsorption: 6-12 ug of protein/100ul diluted anti-mPGES-1 serum (1:5000)
<b>expected   apparent MW</b>	16-17 kDa
<b>confirmed reactivity</b>	does not apply
<b>predicted reactivity</b>	does not apply
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity currently known
<b>additional information</b>	<b>Concentration:</b> 0.41 µg/µl.  <b>Western blot:</b> recommended load per gel to allow Coomassie staining and western blot detection is 5 µl  <b>Immunolocalization:</b> 6-12 ug of protein/100 µl diluted anti-mPGES-1 serum (1:5000) was used for preabsorption of mPGES-1 antibodies followed by

■ immunolocalization.

**selected references** ■ to be added when available