

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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Product no **AS03 031**

## mPGES-1 glutathione dependent prostaglandin E synthase

### Product information

<b>Immunogen</b>	Recombinant human purified 6-His mPGES-1 <a href="#">Q14684</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water.
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. 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>Additional information</b>	In our hands this antibody works with fresh frozen sections not in paraffin embedded material in IHCmPGES-1 antibody was characterized using spleen tissue from LPS-induced mPGES-1 knock-out and wild type mice. In spleen tissue from wt mice we observed strong positive staining in macrophage-like cells, while there was no staining for mPGES-1 in ko mice.

### Application information

<b>Recommended dilution</b>	1 : 10 000, human and rat samples (WB) 1 :6 000 on mice samples and in sheep seminal vesicles (IHC)
<b>Expected   apparent MW</b>	17 kDa
<b>Confirmed reactivity</b>	Human, Mouse, Rat, sheep
<b>Predicted reactivity</b>	Dog, Hamster, Horse
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known.
<b>Additional information</b>	Antibody is only recognizing mPGES1 not mPGES2 or cPGES. <b>Contains 0.1% ProClin.</b> For high resolution images, please visit the specific product page at <a href="http://www.agrisera.com">www.agrisera.com</a>
<b>Selected references</b>	<p><a href="#">Sadiba et al. (2021)</a>. Effects of a Novel GPR55 Antagonist on the Arachidonic Acid Cascade in LPS-Activated Primary Microglial Cells. <i>Int. J. Mol. Sci.</i> 2021, 22, 2503.</p> <p><a href="#">Lio et al. (2019)</a>. Nardosinane N suppresses LPS-induced macrophage activation by modulating the Nrf2 pathway and mPGES-1. <i>Biochemical Pharmacology</i> Sept 2019, 113639.</p> <p><a href="#">Tuure et al. (2019)</a>. Downregulation of microsomal prostaglandin E synthase-1 (mPGES-1) expression in chondrocytes is regulated by MAP kinase phosphatase-1 (MKP-1). <i>Int Immunopharmacol.</i> 2019 Mar 18;71:139-143. doi: 10.1016/j.intimp.2019.03.014.</p> <p><a href="#">Gargouri et al. (2018)</a>: Anti-neuroinflammatory effects of Ginkgo biloba extract EGb761 in LPS-activated primary microglial cells. <i>Phytomedicine</i>, doi.org/10.1016/j.phymed.2018.04.009</p> <p><a href="#">Tuure et al. (2017)</a>. PDE4 inhibitor rolipram inhibits the expression of microsomal prostaglandin E synthase-1 by a mechanism dependent on MAP kinase phosphatase-1. <i>Pharmacol Res Perspect.</i> 2017 Dec;5(6). doi: 10.1002/prp2.363. <i>Pharmacol Res Perspect.</i> 2017 Dec;5(6). doi: 10.1002/prp2.363.</p>