**Product** AS03 031

**mPGES-1 glutathione dependent prostaglandin E synthase**

**Product Information**

**Background**
mPGES-1 is an inducible glutathione dependent prostaglandin E synthase that converts cyclooxygenase derived PGH2 into PGE2.

**Immunogen**
Recombinant human purified 6-His mPGES-1 O14684

**Host**
Rabbit

**Clonality**
Polyclonal

**Purity**
Serum

**Format**
Lyophilized

**Quantity**
50 µl

**Reconstitution**
For reconstitution add 50 µl of sterile water.

**Storage**
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.

**Tested Applications**
Immunohistochemistry (IHC), Western blot (WB)

**Related Products**
AS03 031S | mPGES-1 glutathione dependent prostaglandin E synthase protein | positive control

**Secondary Antibodies**

**Additional Information**
In our hands this antibody works with fresh frozen sections not in paraffin embedded material in IHC. mPGES-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**

**Recommended Dilution**
1 : 10 000, human and rat samples (WB) 1 : 6 000 on mice samples and in sheep seminal vesicles (IHC)

**Expected | apparent MW**
17 kDa

**Confirmed Reactivity**
Human, Mouse, Rat, sheep

**Predicted Reactivity**
Dog, Hamster, Horse

**Not Reactive In**
No confirmed exceptions from predicted reactivity are currently known.

**Additional Information**
Antibody is only recognizing mPGES1 not mPGES2 or cPGES.
Contains 0.1% ProClin.

**Selected References**


Tuure et al. (2014). Aurothiomalate inhibits the expression of mPGES-1 in primary human chondrocytes. Scand J