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 Q14684

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 embeded 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

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.

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