Product no **AS03 031**

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

**Product information**

- **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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Additional information**

In our hands this antibody works with fresh frozen sections not in paraffin embeded 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 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. (2019). Downregulation of microsomal prostaglandin E synthase-1 (mPGES-1) expression in chondrocytes is regulated by MAP kinase phosphatase-1 (MKP-1). Int Immunopharmacol. 2019 Mar 18;71:139-143. doi: 10.1016/j.intimp.2019.03.014.