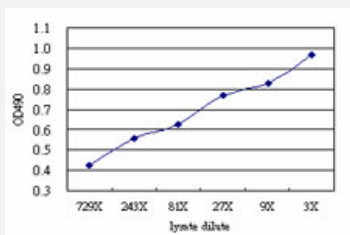


PTGES2 (Human) Matched Antibody Pair

Catalog # H00080142-AP51

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the PTGES2 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human PTGES2.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Quality Control Testing	Standard curve using PTGES2 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the PTGES2 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-PTGES2 (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-PTGES2 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

Gene Info — PTGES2

Entrez GeneID [80142](#)

Gene Name PTGES2

Gene Alias C9orf15, FLJ14038, GBF1, MGC11289, PGES2, mPGES-2

Gene Description prostaglandin E synthase 2

Omim ID [608152](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq]

Other Designations GATE-binding factor 1|OTTHUMP00000022231|gamma-interferon-activated transcriptional element-binding factor 1|membrane-associated prostaglandin E synthase 2|microsomal prostaglandin E synthase-2

Publication Reference

- [In vivo cellular and molecular gastroprotective mechanisms of chrysin; emphasis on oxidative stress, inflammation and angiogenesis.](#)

George MY, Esmat A, Tadros MG, El-Demerdash E.

European Journal of Pharmacology 2018 Jan; 818:486.

Application: Quant, Mouse, Mouse gastric ulcer

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)