



PTGES2 Mouse mAb

Catalog No	YP-mAb-19041
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PTGES2 C9orf15 PGES2
Immunogen	Synthesized peptide derived from human PTGES2
Specificity	This antibody detects endogenous levels of PTGES2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GBF1;GBF-1;PGES2;C9orf15;mPGES-2;PTGES2;PTGES2 C9orf15 PGES2; Prostaglandin E synthase 2 (Microsomal prostaglandin E synthase 2) (mPGES-2) [Cleaved into: Prostaglandin E synthase 2 truncated form]
Observed Band	35kDa
Calculated Molecular Weight	42kDa
Cell Pathway	Golgi apparatus membrane ; Single-pass membrane protein .; [Prostaglandin E synthase 2 truncated form]: Cytoplasm, perinuclear region . Synthesized as a Golgi membrane-bound protein, which is further cleaved into the predominant soluble truncated form. The truncated form is cytoplasmic and is enriched in the perinuclear region. .
Tissue Specificity	Widely expressed. Expressed in the heart, including apex, inter-ventricular septum, both atria and ventricles, but not in the aorta. Also expressed in fetal heart. Detected in various regions of the brain: cerebellum; occipital, frontal and parietal lobes. Also expressed in the lymph nodes, skeletal muscle, kidney and trachea, but not in the thymus or lung. Overexpressed in colorectal cancer.
Function	Isomerase that catalyzes the conversion of PGH2 into the more stable prostaglandin E2 (PGE2) (in vitro) . The biological function and the GSH-dependent property of PTGES2 is still under debate . In vivo, PTGES2 could



form a complex with GSH and heme and would not participate in PGE2 synthesis but would catalyze the degradation of prostaglandin E2 H2 (PGH2) to 12(S)-hydroxy-5(Z),8(E),10(E)-heptadecatrienoic acid (HHT) and malondialdehyde (MDA) (By similarity).

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images