

ARG44729 anti-Prostaglandin E synthase 2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Prostaglandin E synthase 2
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	Prostaglandin E synthase 2
Species	Human
Conjugation	Un-conjugated
Alternate Names	C9orf15; mPGE synthase-2; EC 5.3.99.3; Prostaglandin-H; Membrane-associated prostaglandin E synthase-2; GBF1; PGES2; 2; Prostaglandin E synthase 2; GBF-1; mPGES-2; Microsomal prostaglandin E synthase 2

Application Instructions

Application table	Application	Dilution
	IHC-P	5-10 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

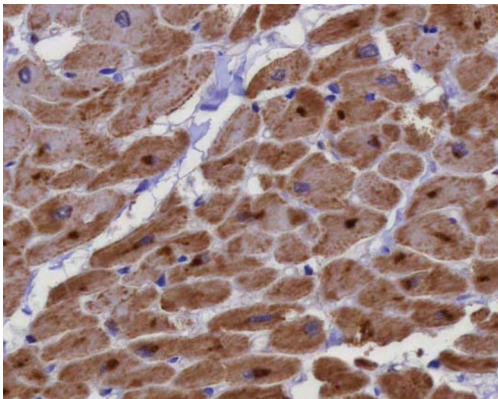
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PTGES2
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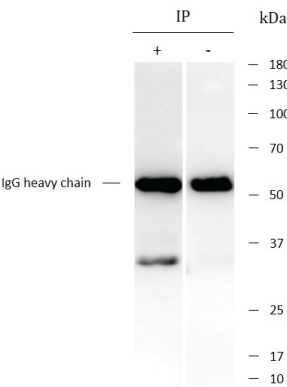
Gene Full Name	prostaglandin E synthase 2
Background	The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq, Jun 2009]
Function	Isomerase that catalyzes the conversion of PGH2 into the more stable prostaglandin E2 (PGE2). [UniProt]
Calculated Mw	29 kDa
PTM	N-glycosylation enhances cell surface expression and lengthens receptor half-life by preventing degradation in the ER.

Images



ARG44729 anti-Prostaglandin E synthase 2 antibody IHC-P image

Immunohistochemistry: Human heart muscle stained with ARG44729 anti-Prostaglandin E synthase 2 antibody at 5 µg/mL dilution.



ARG44729 anti-Prostaglandin E synthase 2 antibody IP image

Immunoprecipitation: HeLa lysate immunoprecipitated with 2.5 µg of ARG44729 anti-Prostaglandin E synthase 2 antibody.