

## ARG44101 anti-PTGR1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal recognizes PTGR1
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PTGR1
Species	Human
Immunogen	Human PTGR1 recombinant protein (Position: T8-A329).
Conjugation	Un-conjugated
Alternate Names	PTGR1; Prostaglandin Reductase 1; Leukotriene B4 12-Hydroxydehydrogenase; LTB4DH; ZADH3; Zinc Binding Alcohol Dehydrogenase Domain Containing 3; NAD(P)H-Dependent Alkenal/One Oxidoreductase; Dithiolethione-Inducible Gene 1 Protein; 15-Oxoprostaglandin 13-Reductase; D3T-Inducible Gene 1 Protein; DIG-1; PRG-1; NADP-Dependent Leukotriene B4 12-Hydroxydehydrogenase; EC 1.3.1.48; EC 1.3.1.74; PGR1

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	WB	0.25 - 0.5 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	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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

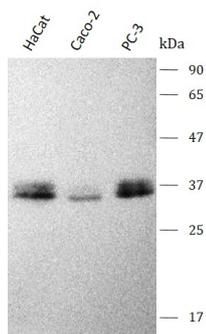
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	PTGR1
Gene Full Name	Prostaglandin Reductase 1
Background	This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants.
Function	NAD(P)H-dependent oxidoreductase involved in metabolic inactivation of pro- and anti-inflammatory eicosanoids: prostaglandins (PG), leukotrienes (LT) and lipoxins (LX).
Calculated Mw	36 kDa
PTM	Acetylation, Hydroxylation, Phosphoprotein
Cellular Localization	Cytoplasm

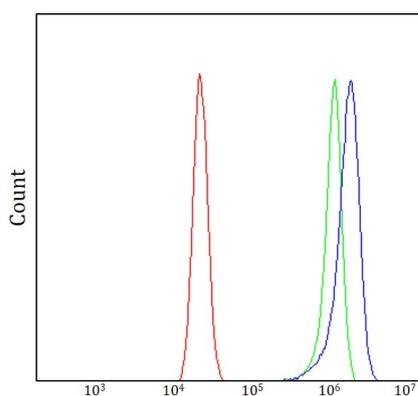
## Images

ARG44101 anti-PTGR1 antibody WB image



Western blot: HaCat , Caco-2 and PC-3 stained with ARG44101 anti-PTGR1 antibody at 0.5 µg/mL dilution.

ARG44101 anti-PTGR1 antibody FACS image



Flow Cytometry: RT4 stained with ARG44101 anti-PTGR1 antibody at 1 µg/10<sup>6</sup> cells dilution.