

Anti-PTGDS antibody

Cat. No.	ml121182
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-PTGDS rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human PTGDS
Reactivity	Human
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PTGDS
Full name	prostaglandin D2 synthase 21kDa (brain)
Synonyms	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
Swissprot	P41222

Target Background

The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H₂ (PGH₂) to prostaglandin D₂ (PGD₂). PGD₂ functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD₂ is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This gene is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene suggest that this gene may be also involved in the regulation of non-rapid eye movement sleep.

订购热线: 4008-898-798

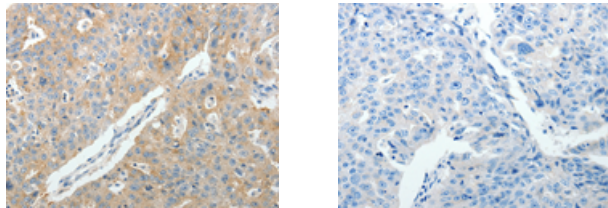
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human ovarian cancer

Recommended dilution: 15-50



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml121182(PTGDS Antibody) at dilution 1/10, on the right is treated with fusion protein. (Original magnification: $\times 200$)

ELISA

Recommended dilution: 1000-2000

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