

PTGDS Antibody

Catalog No: #31107

Package Size: #31107-1 50ul #31107-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	PTGDS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PTGDS protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 64-325 amino acids of human prostaglandin D2 synthase 21kDa (brain)prostaglandin D2 synthase 21kDa (brain)
Target Name	PTGDS
Other Names	prostaglandin D2 synthase 21kDa (brain), PDS, PGD2, PGDS, LPGDS, PGDS2, L-PGDS
Accession No.	Genbank No.: BC005939
Formulation	Supplied at 0.5mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

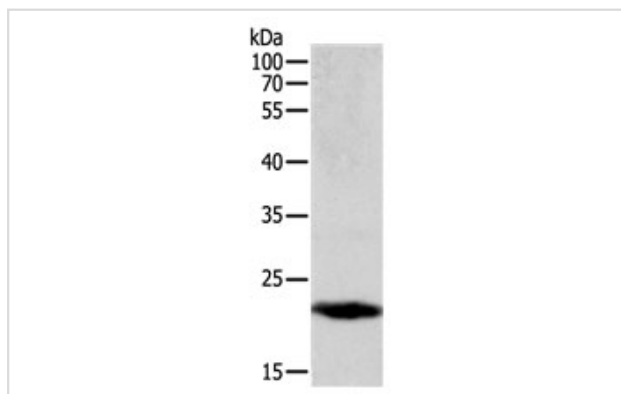
Predicted MW: 21kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



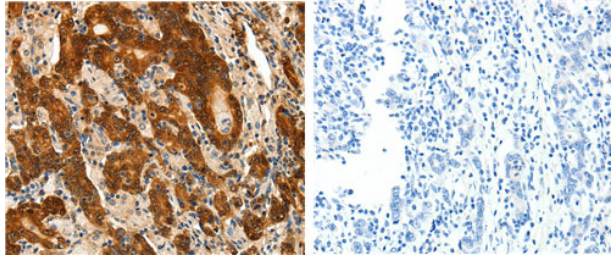
Gel: 12%SDS-PAGE

Lysate: 50 µg SKOV3 cell lysate

Primary antibody: 1/100dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 5 seconds



The image on the left is immunohistochemistry of paraffin-embedded human gastric cancer tissue using 31107(PTGDS Antibody) at dilution 1/15, on the right is treated with the fusion protein.

Background

The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H₂ (PGH₂) to postaglandin 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.