

Prostaglandin D Synthase monoclonal antibody

Catalog: MB11461

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Catalyzes the conversion of PGH₂ to PGD₂, a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation. Involved in a variety of CNS functions, such as sedation, NREM sleep and PGE₂-induced allodynia, and may have an anti-apoptotic role in oligodendrocytes. Binds small non-substrate lipophilic molecules, including biliverdin, bilirubin, retinal, retinoic acid and thyroid hormone, and may act as a scavenger for harmful hydrophobic molecules and as a secretory retinoid and thyroid hormone transporter. Possibly involved in development and maintenance of the blood-brain, blood-retina, blood-aqueous humor and blood-Tis barrier. It is likely to play important roles in both maturation and maintenance of the central nervous system and male reproductive system.

Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

Molecular Weight:

Calculated MW: 21 kDa; Observed MW: 26 kDa

Swiss-Prot:

P41222

Purification&Purity:

Affinity Purified

Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

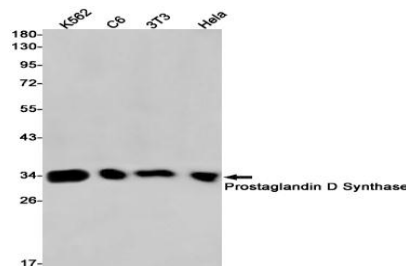
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

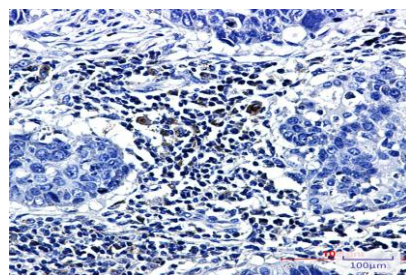
Isotype:

IgG

DATA:



Immunocytochemistry analysis of Prostaglandin D Synthase in K562 using Prostaglandin D Synthase antibody, and DAPI.



Western blot analysis of Prostaglandin D Synthase in K562, C6, 3T3, HeLa lysates using Prostaglandin D Synthase antibody.

Immunohistochemistry analysis of paraffin-embedded human lung cancer tissue using Prostaglandin D Synthase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note:

For research use only, not for use in diagnostic procedure.

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