

## Anti-Cox-1 (S585) PTGS1 Antibody

Catalog Number: A00811S585

### About PTGS1

Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of GPR56 in the developing brain and binding to GPR56 inhibits neuronal migration and activates the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12.

Arja Lamberg, J. Biol. Chem., May 1996; 271: 11988.

GW Conrad, J. Cell Biol., Mar 1980; 84: 501.

DR Keene, J. Cell Biol., Nov 1987; 105: 2393.

HM Wang, J. Histochem. Cytochem., Nov 1980; 28: 1215.

### Overview

|                      |                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Cox-1 (S585) PTGS1 Antibody                                                                                                               |
| Reactive Species     | Human, Mouse, Rat                                                                                                                              |
| Description          | Boster Bio Anti-Cox-1 (S585) PTGS1 Antibody catalog # A00811S585. Tested in WB,IHC,IP applications. This antibody reacts with Human,Mouse,Rat. |
| Application          | IP, IHC, WB                                                                                                                                    |
| Clonality            | Polyclonal                                                                                                                                     |
| Formulation          | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2                                                                         |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.     |
| Host                 | Rabbit                                                                                                                                         |
| Uniprot ID           | P23219                                                                                                                                         |

### Technical Details

|                            |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| Immunogen                  | Synthesized peptide derived from human IL-4Ralpha around the phosphorylation site of Y497. |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster                                                       |
| Cross Reactivity           | No cross reactivity with other proteins.                                                   |
| Isotype                    | IgG                                                                                        |
| Form                       | Liquid                                                                                     |
| Concentration              | 1 mg/ml                                                                                    |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).                                                                                                                                                                                                                                                                                                                |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000<br/>IHC: 1:50-1:200<br/>IP: 1:50-1:200</p> |

## Anti-Cox-1 (S585) PTGS1 Antibody (A00811S585) Images

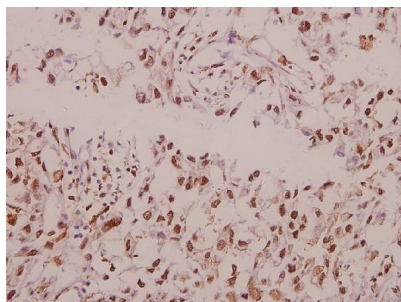


Figure 2. Immunohistochemistry validation of PTGS1 using Anti-Cox-1 (S585) PTGS1 Antibody (A00811S585).

Immunohistochemistry (IHC) analyzes of Cox-1 (S585) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

For more protocol information of IHC

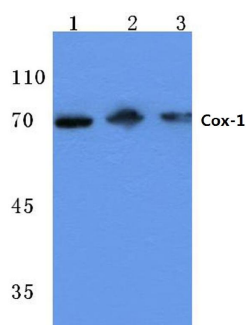


Figure 1. Western blotting validation for Anti-Cox-1 (S585) PTGS1 Antibody A00811S585

Western blot (WB) analysis of Cox-1 (S585) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Raw264.7 cell lysate

Lane3:Rat kidney tissue lysate

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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