

Anti-Cox-2 (T594) PTGS2 Antibody

Catalog Number: A00084T594

About PTGS2

Beta amyloid, often abbreviated as A-beta, is a protein that builds up in the brains of persons with Alzheimer's disease, collecting in clumps called plaques or senile plaques. While some researchers question whether beta amyloid is the cause of the dementia, most agree that it is involved in the disruption of thinking that is a hallmark of the disease. In some cases of familial Alzheimer's disease, mutations in genes for the proteins called the presenilins lead to increased production of amyloid. Researchers have been looking at how presenilin-1 in particular contributes to the excess buildup of beta amyloid. Presenilin-1 apparently acts to increase the activity of gamma-secretase, an enzyme that changes a normal protein (amyloid precursor protein or APP) into beta amyloid itself. Furthermore, presenilin-1 might be gamma-secretase. Anti-Beta Amyloid Antibody is useful for researchers interested in TLR signaling and Alzheimer's research.

Overview

Product Name	Anti-Cox-2 (T594) PTGS2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cox-2 (T594) PTGS2 Antibody catalog # A00084T594. Tested in WB,IHC,IF applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, 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	P35354

Technical Details

Immunogen	Synthesized peptide derived from human Rhodopsin around the phosphorylation site of S334.
Predicted Reactive Species	Canine, Monkey
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</p> <p>IHC: 1:50-1:200</p> <p>IF: 1:50-1:200</p>

Anti-Cox-2 (T594) PTGS2 Antibody (A00084T594) Images

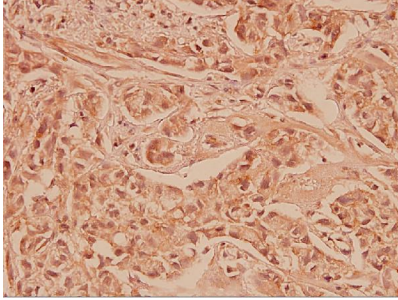


Figure 2. Immunohistochemistry validation of PTGS2 using Anti-Cox-2 (T594) PTGS2 Antibody (A00084T594).

Immunohistochemistry (IHC) analyzes of Cox-2 (T594) pAb in paraffin-embedded human breast carcinoma tissue at 1:100. For more protocol information of IHC

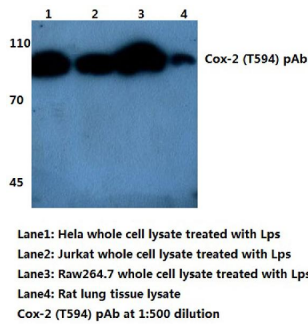


Figure 1. Western blotting validation for Anti-Cox-2 (T594) PTGS2 Antibody A00084T594

Western blot (WB) analysis of Cox-2 (T594) polyclonal antibody at 1:500 dilution

Lane1:CT26 whole cell lysate(20ug)

Lane2:PC12 whole cell lysate(40ug)

Lane3:HeLa whole cell lysate(40ug)

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

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