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antibody and ELISA experts

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Anti-Smad2/3 (Phospho-T8) Antibody

Catalog Number: A00090T8

About SMAD2

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-Smad2/3 (Phospho-T8) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Smad2/3 (Phospho-T8) Antibody catalog # A00090T8. Tested in WB applications. This antibody reacts with Human,Rat,Mouse.
Application	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	Q15796/P84022

Technical Details

Immunogen	Synthesized peptide derived from human Smad2 around the phosphorylation site of T220.
Predicted Reactive Species	Canine, Monkey
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

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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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000

1 Publications Citing This Product

1. PubMed ID: 34093874, Wang Q,Liu J,Hu Y,Pan T,Xu Y,Yu J,Xiong W,Zhou Q,Wang Y.Local administration of liposomal-based Srpx2 gene therapy reverses pulmonary fibrosis by blockading fibroblast-to-myofibroblast transition.Theranostics.2021 May 13;11(14):7110-7125.doi:10.7150/thno.61085. PMID:34093874;PMCID:PMC8171094.

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