

Anti-CYP2C9 Antibody

Catalog Number: A00465-2

About CYP2C9

CYP2C9 (Cytochrome P450 Family 2 Subfamily C Member 9) is a crucial cytochrome P450 enzyme, which plays a significant role in the metabolism, by oxidation, of both xenobiotic and endogenous compounds. CYP2C9 is primarily expressed in the liver, and the expression level is reported to be the second highest among CYP isoforms (PMID: 20150829).

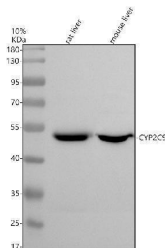
Overview

Product Name	Anti-CYP2C9 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CYP2C9 Antibody catalog # A00465-2. Tested in WB, IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P11712

Technical Details

Immunogen	E.coli-derived human CYP2C9 recombinant protein (Position: S3-T159).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 ELISA, 1:100-1000

Anti-CYP2C9 Antibody (A00465-2) Images



Western blot analysis of CYP2C9 using anti-CYP2C9 antibody (A00465-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CYP2C9 antigen affinity purified polyclonal antibody (A00465-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CYP2C9 at approximately 50 kDa. The expected band size for CYP2C9 is at 56 kDa.

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