antibodies

Datasheet for ABIN6239886 CYP1B1 Protein (AA 374-516) (His tag)





Overview

| Quantity: | 50 µg |
|-------------------------------|---|
| Target: | CYP1B1 |
| Protein Characteristics: | AA 374-516 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This CYP1B1 protein is labelled with His tag. |
| Application: | Activity Assay (AcA), Cell Culture (CC) |

Product Details

| Characteristics: | Tag location: N-terminal His Tag |
|------------------------------|--|
| Purity: | > 97 % |
| Biological Activity Comment: | Cytochrome P450 family 1 subfamily B member 1 (CYP1B1) is an enzyme, Which belongs to |
| | the cytochrome P450 superfamily. CYP1B1 can catalyze many reactions involved in drug |
| | metabolism and synthesis of cholesterol, steroids, and other lipids. Besides, Heat Shock Protein |
| | family B (small) member 2 (HSPb2) has been identified as an interactor of CYP1B1, thus a |
| | binding ELISA assay was conducted to detect the interaction of recombinant human CYP1B1 |
| | and recombinant human HSPb2, CYP1B1 were diluted serially in PBS, with 0.01% BSA (pH 7.4). |
| | Duplicate samples of 100uL were then transferred to HSPb2-coated microtiter wells and |
| | incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-CYP1B1 |
| | pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary |
| | antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6239886 | 09/10/2023 | Copyright antibodies-online. All rights reserved. wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of CYP1B1 and HSPb2 was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of CYP1B1 with HSPb2.

Target Details

| Target: | CYP1B1 | |
|-------------------|---|--|
| Alternative Name: | Cytochrome P450 1B1 (CYP1B1) (CYP1B1 Products) | |
| Background: | Alternative Names: CP1B, GLC3A, Cytochrome P450,Family 1,Subfamily B,Polypeptide 1, Glaucoma 3,Primary Infantile | |
| Molecular Weight: | 18/16kDa | |
| UniProt: | Q16678 | |
| Pathways: | Steroid Hormone Biosynthesis | |

Application Details

| Application Notes: | Isoelectric Point: 7.9 |
|--------------------|---|
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Lyophilized |
| Buffer: | 20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300. |
| Preservative: | Dithiothreitol (DTT), Other preservative, ProClin |

Precaution of Use: This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

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