

CYP2S1 Monoclonal antibody

Catalog Number: 68198-1-Ig

Basic Information

Catalog Number:

68198-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4605

GenBank Accession Number:

BC033691

GeneID (NCBI):

29785

UNIPROT ID:

Q96SQ9

Full Name:

cytochrome P450, family 2, subfamily S, polypeptide 1

Calculated MW:

504 aa, 56 kDa

Observed MW:

50-56 kDa

Purification Method:

Protein G purification

CloneNo.:

3E5D4

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Pig

Positive Controls:

WB : NCCIT cells, HeLa cells, A549 cells, pig colon tissue, pig rectum tissue

Background Information

The cytochrome P450 (CYP) family of isoenzymes are involved in the metabolism of diverse endogenous compounds and detoxification of exogenous agents. Cytochrome P450 2S1 (CYP2S1) is one 'orphan' CYP, and is particularly expressed in epithelial cells of tissues which are exposed to the environment such as the skin, respiratory, gastrointestinal, and urinary tracts. CYP2S1 is associated primarily with the synthesis and metabolism of lipids including prostaglandins (PGE2) and retinoids. In addition, CYP2S1 expression is associated with patient survival in breast cancer.

Storage

Storage:

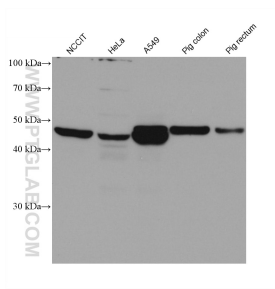
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

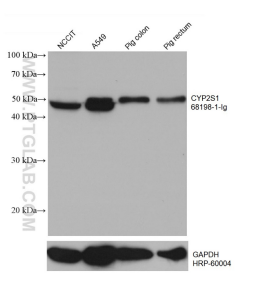
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68198-1-Ig (CYP2S1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68198-1-Ig (CYP2S1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.