

CYP2A7 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP10477c**Specification**

CYP2A7 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P20853](#)
Other Accession [NP_085079.2](#), [NP_000755.2](#)

CYP2A7 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 1549

Other Names

Cytochrome P450 2A7, CYP11A7, Cytochrome P450 IIA4, CYP2A7

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CYP2A7 Antibody (Center) Blocking Peptide - Protein Information

Name CYP2A7

Function

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.

Cellular Location

Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

CYP2A7 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CYP2A7 Antibody (Center) Blocking Peptide - Images

CYP2A7 Antibody (Center) Blocking Peptide - Background

CYP2A7 is a member of the cytochrome P450superfamily of enzymes. The cytochrome P450 proteins aremonooxygenases which catalyze many reactions involved in drugmetabolism and synthesis of cholesterol, steroids and other lipids.This protein localizes to the endoplasmic reticulum; its substratehas not yet been determined. CYP2A7, which produces twotranscript variants, is part of a large cluster of cytochrome P450genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome19q.

CYP2A7 Antibody (Center) Blocking Peptide - References

Fukami, T., et al. Pharmacogenomics J. 6(6):401-412(2006)Nelson, D.R., et al. Pharmacogenetics 14(1):1-18(2004)Oscarson, M., et al. Hum. Mutat. 20(4):275-283(2002)Godoy, W., et al. Carcinogenesis 23(4):611-616(2002)Koskela, S., et al. Biochem. Pharmacol. 57(12):1407-1413(1999)