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BPHL Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18229c

Specification

BPHL Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q86WA6

BPHL Antibody (Center) Blocking Peptide - Additional Information

Gene ID 670

Other Names
Valacyclovir hydrolase, VACVase, Valacyclovirase, 31--, Biphenyl hydrolase-like protein, Biphenyl hydrolase-related protein, Bph-rp, Breast epithelial mucin-associated antigen, MCNAA, BPHL, MCNAA

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.

BPHL Antibody (Center) Blocking Peptide - Protein Information

Name BPHL

Synonyms MCNAA

Function
Serine hydrolase that catalyzes the hydrolytic activation of amino acid ester prodrugs of nucleoside analogs such as valacyclovir and valganciclovir. Activates valacyclovir to acyclovir. May play a role in detoxification processes. It is a specific alpha-amino acid ester hydrolase that prefers small, hydrophobic, and aromatic side chains and does not have a stringent requirement for the leaving group other than preferring a primary alcohol.

Tissue Location
Expressed at high levels in liver and kidney and lower levels in heart, intestine and skeletal muscle

BPHL Antibody (Center) Blocking Peptide - Protocols

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

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- Blocking Peptides

BPHL Antibody (Center) Blocking Peptide - Images

BPHL Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the serine protease familyof hydrolytic enzymes which contain a serine in their active site.The encoded protein may play a role in activation of the antiviralprodrug valacyclovir. Alternatively spliced transcript variantshave been described.

BPHL Antibody (Center) Blocking Peptide - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)Lai, L., et al. J. Biol. Chem. 283(14):9318-9327(2008)Grigo, K., et al. Biol. Chem. 389(2):179-187(2008)Melk, A., et al. Kidney Int. 68(6):2667-2679(2005)Kim, I., et al. Mol. Pharm. 1(6):434-446(2004)