



HPN peptide (DAG-P0619)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a type II transmembrane serine protease that may be involved in diverse cellular functions, including blood coagulation and the maintenance of cell morphology. Expression of the encoded protein is associated with the growth and progression of cancers, particularly prostate cancer. The protein is cleaved into a catalytic serine protease chain and a non-catalytic scavenger receptor cysteine-rich chain, which associate via a single disulfide bond. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
Specificity	Present in most tissues, with the highest level in liver.
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	Belongs to the peptidase S1 family.Contains 1 peptidase S1 domain.Contains 1 SRCR domain.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

Gene Name [HPN hepsin \[Homo sapiens \(human\) \]](#)

Official Symbol	HPN
Synonyms	HPN; hepsin; TMPRSS1; serine protease hepsin; transmembrane protease serine 1;
Entrez Gene ID	3249
mRNA Refseq	NM_002151.2
Protein Refseq	NP_002142.1
UniProt ID	P05981
Chromosome Location	19q13.12
Pathway	Viral carcinogenesis, organism-specific biosystem; Viral carcinogenesis, conserved biosystem;
Function	calcium-activated potassium channel activity; peptidase activity; protein binding; scavenger receptor activity; serine-type endopeptidase activity; serine-type exopeptidase activity; serine-type peptidase activity;