

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Hepsin in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Hepsin Ser46-Leu417 with Asp161Glu and Arg162Lys substitutions Accession # P05981
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Hepsin, also known as TMPRSS1, is a Type II membrane protein with an extracellular serine protease domain (1). It is most highly expressed in liver, but is also present in many other tissues, notably lung, kidney, and skeletal muscle (2). A soluble form of Hepsin lacking the transmembrane domain has been identified (3). Hepsin is capable of activating Factor VII, and may initiate blood coagulation at the cell surface (4). Hepsin is overexpressed in various human tumors, including prostate (5), and is considered to be a biomarker for prostate cancer (6).

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