

HCLS1 Antibody

Catalog No: #32635

Package Size: #32635-1 50ul #32635-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

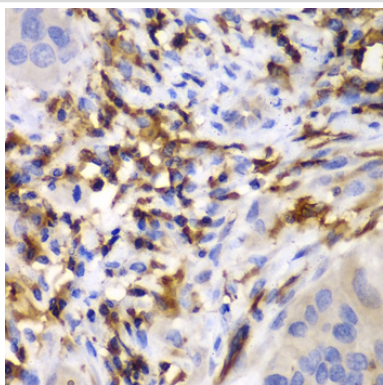
Description

Product Name	HCLS1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total HCLS1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HCLS1.
Target Name	HCLS1
Other Names	HS1; HCLS1; LckBP1; p75; CTTNL
Accession No.	Swiss-Prot:P14317NCBI Gene ID:3059
Uniprot	P14317
GeneID	3059;
SDS-PAGE MW	54KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

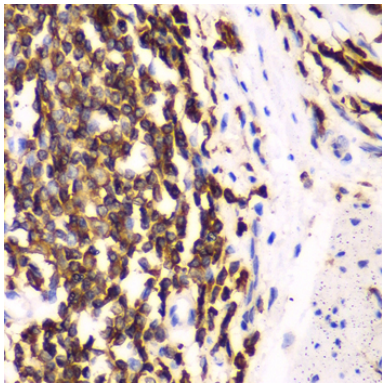
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

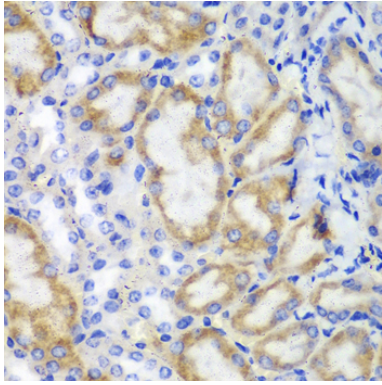
Images



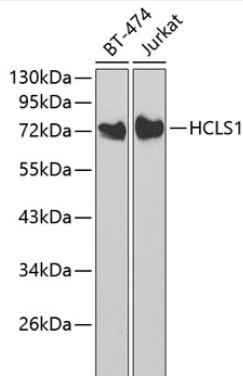
Immunohistochemistry of paraffin-embedded human liver cancer using HCLS1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophagus using HCLS1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using HCLS1 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using HCLS1 at 1:1000 dilution.

Background

HS1 (HCLS1, LckBP1, p75) is a protein kinase substrate that is expressed only in tissues and cells of hematopoietic origin (1,2). HS1 contains four cortactin repeats and a single SH3 domain (2). This intracellular protein is phosphorylated following immune receptor activation, which promotes recruitment of HS1 to the immune synapse (3-5). Phosphorylation of HS1 is required to regulate actin dynamics and provide docking sites for many other signaling molecules, such as Vav1 and PLCγ1 (6). HS1 also plays an important role in platelet activation (7).

Note: This product is for in vitro research use only