

For Research Use Only

Securin Recombinant antibody

Catalog Number:83981-4-RR



Basic Information

Catalog Number: 83981-4-RR	GenBank Accession Number: BC101834	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 9232	CloneNo.: 241090G10
Source: Rabbit	UNIPROT ID: O95997	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: pituitary tumor-transforming 1	
Immunogen Catalog Number: AG12670	Calculated MW: 202 aa, 22 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

Background Information

Securin, also known as the pituitary tumor transforming gene (PTTG1), was first isolated from rat pituitary tumor cells. Securin is a multi-functional protein that regulates sister chromatid segregation in mitosis, DNA repair, gene transcription, metabolism, and organ development. Securin is normally expressed in tissues with high proliferative activity, including the spleen, thymus gland, and testis, whereas it is rarely expressed in differentiated mature tissues (PMID: 22563433, PMID: 36123907). The calculated molecular weight of Securin is 22 kDa. With post-translational modification, the molecular weight of Securin will be migrated to 28 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

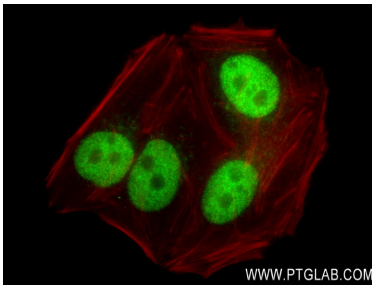
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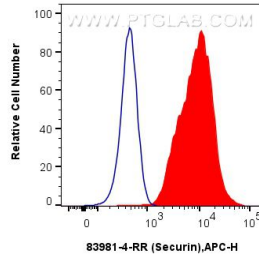
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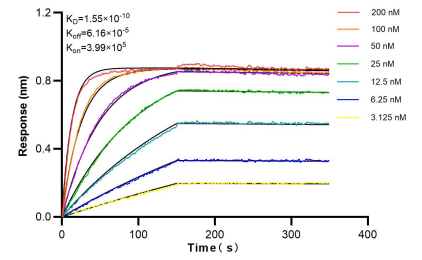
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Securin antibody (83981-4-RR, Clone: 241090G10) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 Jurkat cells were intracellularly stained with 0.25 μ g Securin Recombinant antibody (83981-4-RR, Clone:241090G10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 83981-4-RR against Human Securin were performed. The affinity constant is 0.155 nM.