

Datasheet for ABIN968087

anti-FKBP10 antibody (AA 434-576)



[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	50 µg
Target:	FKBP10
Binding Specificity:	AA 434-576
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FKBP10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Mouse FKBP65 aa. 434-576
Clone:	25-FKBP65
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Human
Characteristics:	<ol style="list-style-type: none"> 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Source of all serum proteins is from USDA inspected abattoirs located in the United States. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Please refer to us for technical protocols.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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Target Details

Target:	FKBP10
Alternative Name:	FKBP65 (FKBP10 Products)
Background:	<p>FK506, one of multiple potent compounds that block T cell proliferation, is used for immunosuppressive therapy. Several FK506-binding proteins (FKBPs) have been identified in the search for intracellular targets for FK506. These include FKBP12, FKBP13, FKBP51, and FKBP52. The immunosuppressive effects of FK506 and FKBPs result from the inhibition of the calcineurin phosphatase, a well known component of the signaling cascade leading to IL-2 production. FKBP65 is another member of the FKBP protein family and contains the characteristic peptidylprolyl cis-trans-isomerase activity. FKBP65 has been reported to be expressed in the lung, testis, brain, heart, and spleen. Although it has a predicted molecular weight of 65 kDa, FKBP65 has been observed to migrate ranging from 68-72 kDa in SDS electrophoresis gels, perhaps, due to glycosylation and/or phosphorylation.</p> <p>Synonyms: FK506 Binding Protein-65</p>
Molecular Weight:	68-72 kDa
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Comment:	Related Products: ABIN967389, ABIN968539
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

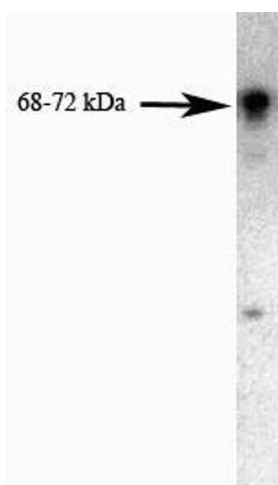
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Publications

Product cited in: Patterson, Schaub, Coleman, Davis: "Developmental regulation of FKBP65. An ER-localized extracellular matrix binding-protein." in: **Molecular biology of the cell**, Vol. 11, Issue 11, pp. 3925-35, (2001) ([PubMed](#)).

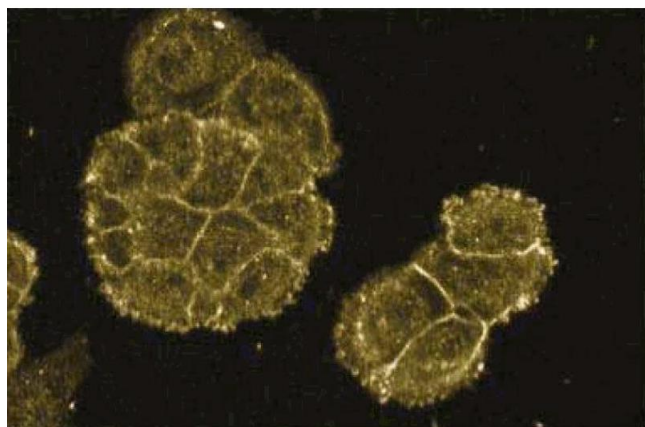
Coss, Winterstein, Sowder, Simek: "Molecular cloning, DNA sequence analysis, and biochemical characterization of a novel 65-kDa FK506-binding protein (FKBP65)." in: **The Journal of biological chemistry**, Vol. 270, Issue 49, pp. 29336-41, (1996) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of FKBP65 on a PC-12 cell lysate (Rat neuroblastoma, ATCC CRL-1721) using 0.5 µg/mL of the Mouse Anti-FKBP65 antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of A431 cells (Human epithelial carcinoma, ATCC CRL-1555).

Image 3.

