ARG56953
anti-Cyclophilin B antibody [k2E2]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [k2E2] recognizes Cyclophilin B
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	k2E2
Isotype	IgG1, kappa
Target Name	Cyclophilin B
Species	Human
Immunogen	Recombinant fragment around aa. 26-216 of Human Cyclophilin B.
Conjugation	Un-conjugated
Alternate Names	HEL-S-39; CYPB; PPIase B; CYP-S1; Cyclophilin B; SCYLP; EC 5.2.1.8; S-cyclophilin; OI9; Rotamase B; Peptidyl-prolyl cis-trans isomerase B

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
WB	1:1000 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

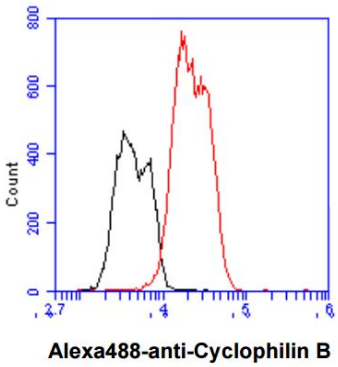
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

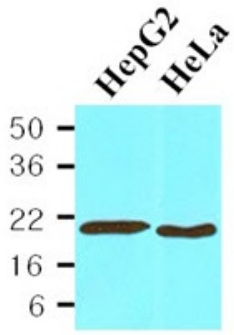
Database links	GeneID: 5479 Human Swiss-port # P23284 Human
Gene Symbol	PPIB
Gene Full Name	peptidylprolyl isomerase B (cyclophilin B)
Background	The protein encoded by this gene is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Variants have been identified in this protein that give rise to recessive forms of osteogenesis imperfecta. [provided by RefSeq, Oct 2009]
Function	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. [UniProt]
Calculated Mw	24 kDa

Images



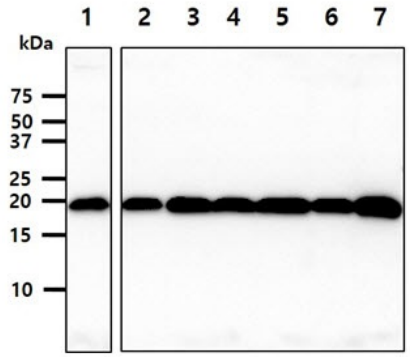
ARG56953 anti-Cyclophilin B antibody [k2E2] FACS image

Flow Cytometry: Hep3B cell line stained with ARG56953 anti-Cyclophilin B antibody [k2E2] at 2-5 µg for 1x10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



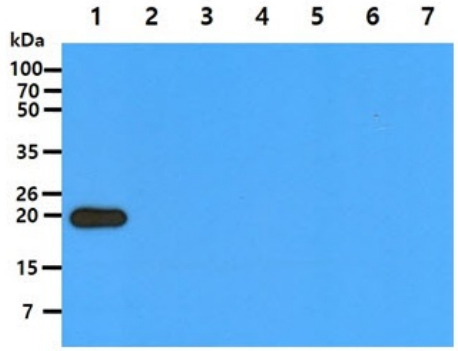
ARG56953 anti-Cyclophilin B antibody [k2E2] WB image

Western blot: 30 µg HepG2 and HeLa cell lysates stained with ARG56953 anti-Cyclophilin B antibody [k2E2] at 1:1000.



ARG56953 anti-Cyclophilin B antibody [k2E2] WB image

Western blot: 40 µg of 1) Jurkat cell lysate, 2) K562 cell lysate, 3) 293T cell lysate, 4) A549 cell lysate, 5) MCF7 cell lysate, 6) SK-OV-3 cell lysate, 7) LnCap cell lysate stained with ARG56953 anti-Cyclophilin B antibody [k2E2] at 1:1000.



ARG56953 anti-Cyclophilin B antibody [k2E2] WB image

Western blot: 50 ng of 1) Cyclophilin B Recombinant Protein, 2) Cyclophilin A Recombinant Protein, 3) Cyclophilin D Recombinant Protein, 4) Cyclophilin E Recombinant Protein, 5) Cyclophilin F Recombinant Protein, 6) Cyclophilin G Recombinant Protein, 7) Cyclophilin H Recombinant Protein stained with ARG56953 anti-Cyclophilin B antibody [k2E2] at 1:1000.