

Product Datasheet

CD4 (Phospho-S433) Antibody (orb1289874)

Catalog Number	orb1289874
Category	Antibodies
Description	The CD4 (Phospho-S433) Antibody is suitable for IF, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S433 of human CD4 protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	CD4
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Canine, Human, Monkey, Mouse, Rat
Form/Appearance	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S433 of human CD4 protein. The exact sequence is proprietary.
UniProt ID	P05540, P01730, P06332
Tested applications	IF, WB
Dilution range	WB: 1:500-1:1000, IH: 1:50-1:200, IF:IC: 1:50-1:200

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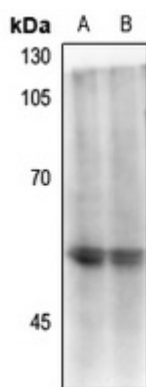
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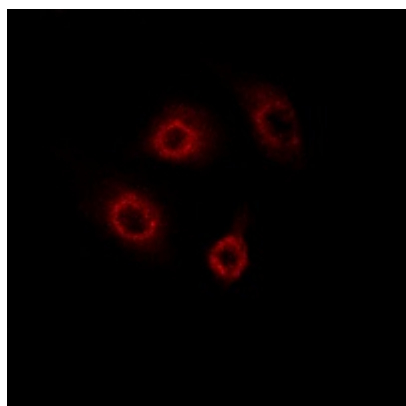
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Specificity	Recognizes endogenous levels of CD4 protein only when phosphorylated at S433.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	12504, 24932, 920
Expiration Date	12 months from date of receipt.



Western blot analysis of CD4 (Phospho-S433) expression in mouse spleen (A), rat spleen (B) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 56 kD)



Immunofluorescent analysis of CD4 (Phospho-S433) staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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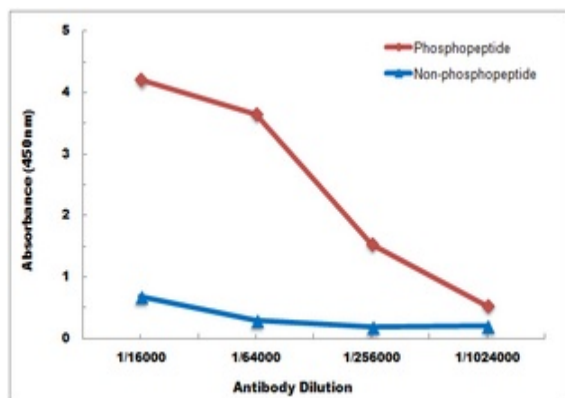
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Direct ELISA antibody dose-response curve using Anti-CD4 (Phospho-S433) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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