CaMKII α/β (Phospho Thr286) Rabbit mAb (AR1882)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	54kDa (Calculated) 54kDa (Observed)

Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

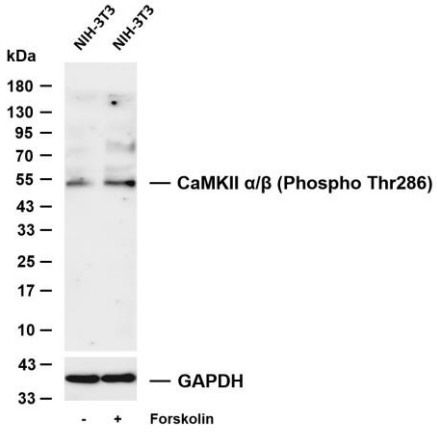
Specificity	Phospho-CaMKIIα/β (T286) Antibody detects endogenous levels of CaMKIIα/β protein only when phosphorylated at T286.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): QEtVD

Target Information

Gene name	CAMK2A
Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha

	Organism	Gene ID	UniProt ID
	Human	815; 816	Q9UQM7; Q13554
Cellular Localization	Cell junction, synapse. Cell junction, synapse, postsynaptic density. Cell projection, dendritic spine. Cell projection, dendrite. Postsynaptic lipid rafts.		
Tissue specificity	Brain		

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CaMKII α/β (Phospho Thr286) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.
Lane 1: NIH-3T3
Lane 2: NIH-3T3 was treated with Forskolin(10uM) for 1 hour
Predicted band size: 54kDa
Observed band size: 54kDa

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