AMPKα1 (Phospho Ser485) Rabbit mAb (AR1979)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	62 kD (Calculated) 62kD (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	AMPKα1 (Phospho Ser485) Antibody detects endogenous levels of AMPKα1 protein only when phosphorylated at S485.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):EAkSG

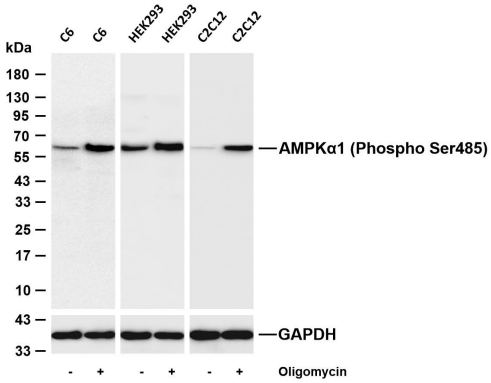
Target Information

Gene name	PRKAA1 AMPK1
Protein Name	AMPKα1 (Ser485)

Organism	Gene ID	UniProt ID
Human	5562	Q13131
Mouse	105787	Q5EG47
Rat	65248	P54645

Cellular Localization	Cytoplasm . Nucleus . In response to stress, recruited by p53/TP53 to specific promoters.
Tissue specificity	Brain,Intestine,Liver,Mammary gland,Platelet,Testis

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-AMPKα1 (Phospho Ser485) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.
Lane 1: C6
Lane 2: C6 was treated with Oligomycin(0.5μ M) for 30 minutes
Lane 3: HEK293
Lane 4: HEK293 was treated with Oligomycin(0.5μ M) for 30 minutes
Lane 5: C2C12
Lane 6: C2C12 was treated with Oligomycin(0.5μ M) for 30 minutes
Predicted band size: 62kDa
Observed band size: 62kDa

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