

Product Datasheet

AMPK alpha 1/2 (Phospho-T183/172) Rabbit Polyclonal Antibody (orb224175)

Catalog Number	orb224175
Category	Antibodies
Description	The AMPK alpha 1/2 (Phospho-T183/172) Antibody is suitable for IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T183/172 of human AMPK alpha 1/2 protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	PRKAA1; PRKAA2
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Gallus, Human, Mouse, Porcine, Rat
Form/Appearance	Liquid
Buffer/Preservatives	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 T183/172 of human AMPK alpha 1/2 protein. The exact sequence is proprietary.
UniProt ID	P54646, Q09137, Q8BRK8, Q5EG47, P54645, Q13131

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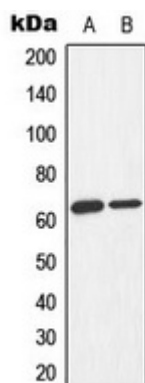
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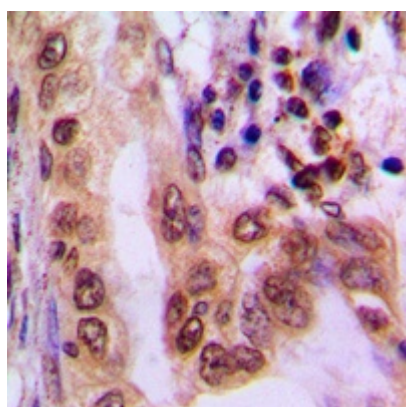
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Tested applications	IHC, WB
Dilution range	WB: 1:500-1:1000, IHC-P: 1:100-1:200, IP: 1:10-1:100
Specificity	Recognizes endogenous levels of AMPK alpha 1/2 protein only when phosphorylated at T183/172.
Antibody Type	Primary Antibody
Storage	Maintain 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	5562, 105787, 5563, 65248, 108079, 78975
Expiration Date	12 months from date of receipt.



Western blot analysis of AMPK alpha 1/2 (Phospho-T183/172) expression in Jurkat Adriamycin-treated (A), K562 Adriamycin-treated (B) whole cell lysates. (Predicted band size: 64; 62 kD; Observed band size: 63 kD)



Immunohistochemical analysis of AMPK alpha 1/2 (Phospho-T183/172) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (Phospho-H 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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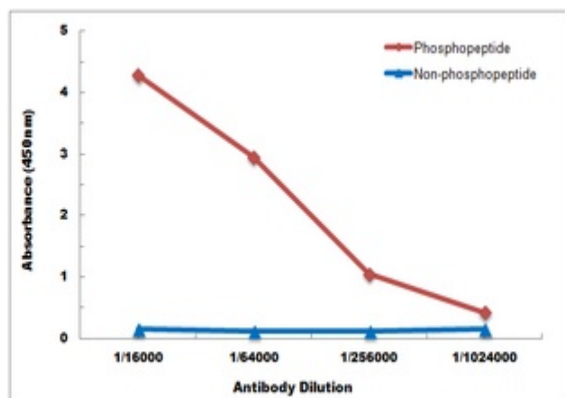
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Direct ELISA antibody dose-response curve using Anti-AMPK alpha 1/2 (Phospho-T183/172) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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