

## Product Datasheet

### Anti-AMPK beta 1 Antibody (orb1474320)

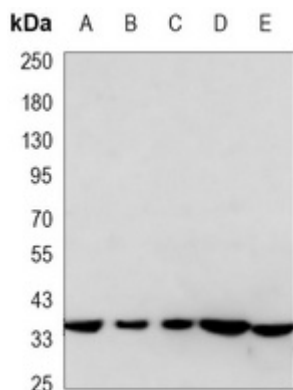
<b>Description</b>	Mouse monoclonal antibody to AMPK beta 1
<b>Species/Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Primate, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	IF, IH, IP, WB
<b>Immunogen</b>	Purified recombinant human AMPK beta 1 protein fragments expressed in E.coli.
<b>Target</b>	PRKAB1
<b>Preservatives</b>	Liquid in PBS containing 50% glycerol, 0.5% rAlbumin and 0.02% sodium azide, pH 7.3.
<b>Form/Appearance</b>	Liquid in PBS containing 50% glycerol, 0.5% rAlbumin and 0.02% sodium azide, pH 7.3.
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Clonality</b>	Monoclonal
<b>Source</b>	Mouse
<b>Uniprot ID</b>	<b>P80386, Q9Y478, Q9R078</b>
<b>Entrez</b>	<b>5564, 83803, 19079</b>
<b>Dilution Range</b>	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100), IP (1/10 - 1/50)
<b>Expiration Date</b>	12 months from date of receipt.

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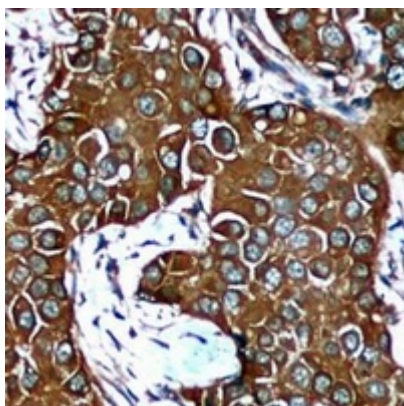
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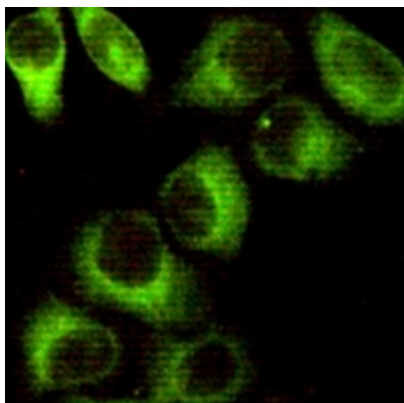
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Western blot analysis of AMPK beta 1 expression in NIH3T3 (A), HeLa (B), PC12 (C), COS7 (D), MDAMB468 (E) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 38 kD)



Immunohistochemical analysis of AMPK beta 1 staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.33). 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.



Immunofluorescent analysis of AMPK beta 1 staining in HeLa 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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