



# PHYHD1 Rabbit mAb

<b>Catalog No</b>	YP-rAb-17671
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB,IF,ICC,FC
<b>Gene Name</b>	PHYHD1
<b>Protein Name</b>	Phytanoyl-CoA dioxygenase domain-containing protein 1;Protein PHYHD1;
<b>Purification Process</b>	Protein A
<b>Specificity</b>	Endogenous
<b>Formulation</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	WB 1:1000-5000; ICC/IF 1:100-300; FC 1:100-300
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-15° C to -25° C/1 year(Do not lower than -25° C)
<b>Synonyms</b>	PHYHD1 ; Phytanoyl-CoA dioxygenase domain-containing protein 1 ; Protein PHYHD1 ;
<b>Observed Band</b>	32kD
<b>Calculated Molecular Weight</b>	
<b>Cell Pathway</b>	
<b>Tissue Specificity</b>	
<b>Function</b>	2-oxoglutarate(2OG)-dependent dioxygenase that catalyzes the conversion of 2-oxoglutarate to succinate and CO(2) in an iron-dependent manner (PubMed:21530488). However, does not couple 2OG turnover to the hydroxylation of acyl-coenzyme A derivatives, implying that it is not directly involved in phytanoyl coenzyme-A metabolism (PubMed:21530488). Does not show detectable activity towards fatty acid CoA thioesters (PubMed:21530488). {ECO:0000269 PubMed:21530488}.; [Isoform 2]: Isoform 2 probably lacks enzyme activity. {ECO:0000269 PubMed:21530488}.; [Isoform 3]: Isoform 3 probably lacks enzyme activity. {ECO:0000269 PubMed:21530488}.
<b>Background</b>	Enables 2-oxoglutarate-dependent dioxygenase activity. [provided by Alliance of Genome Resources, Feb 2025]



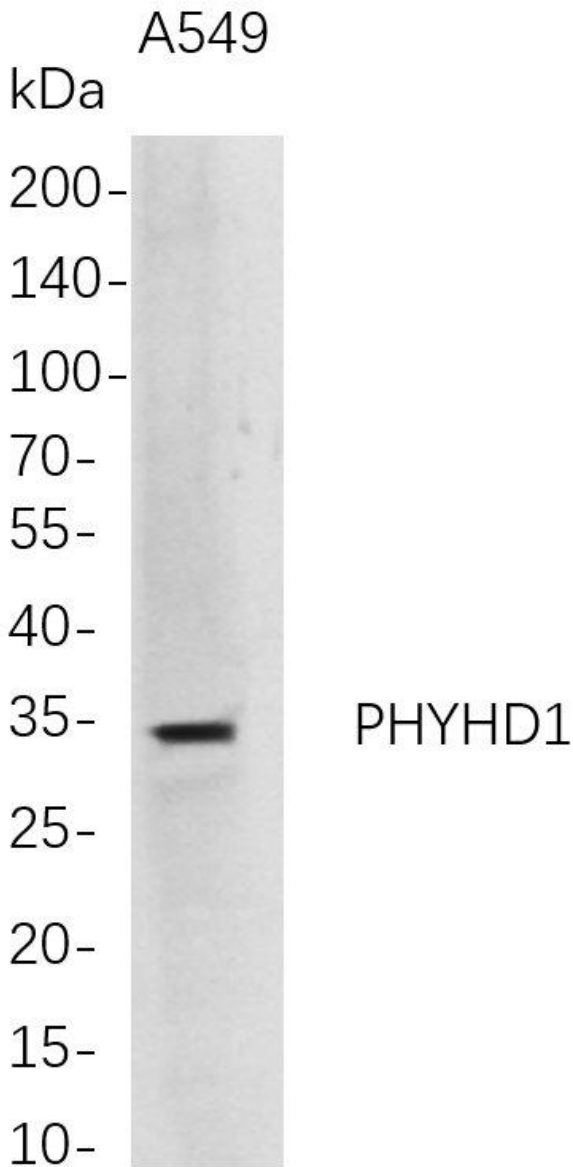


matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Western Blot analysis of A549 whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PHYHD1 rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

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