

Recombinant Anti-PHYHD1 Rabbit mAb

Catalog # AP95399

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q5SRE7
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	32411

Additional Information

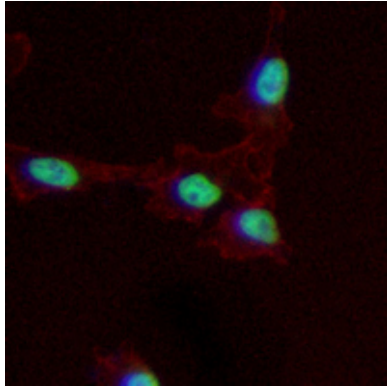
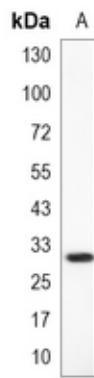
Gene ID	254295
Other Names	Phytanoyl-CoA dioxygenase domain-containing protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human PHYHD1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PHYHD1 (HGNC:23396)
Function	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).

Images

Western blot analysis of PHYHD1 expression in A549 (A) whole cell lysates. (Predicted band size: 32 kD; Observed band size: 32 kD)



Immunofluorescent analysis of PHYHD1 staining in A549 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 an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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