

MBLAC2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57220

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q68D91
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31372

Additional Information

Gene ID	153364
Other Names	Metallo-beta-lactamase domain-containing protein 2, 3.-.-., MBLAC2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MBLAC2
Function	Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed: 33219126). Has an acyl- CoA thioesterase activity towards the long chain fatty acyl-CoA thioester palmitoyl-CoA (hexadecanoyl-CoA; C16:0-CoA) (PubMed: 33219126). Displays a substrate preference for fatty acyl-CoAs with chain-lengths C12-C18 (PubMed: 33219126). Possesses beta-lactamase activity, catalyzing the hydrolysis of penicillin G and nitrocefin (PubMed: 31434986). Exhibits no activity towards other beta-lactam antibiotic classes including cephalosporins (cefotaxime) and carbapenems (imipenem) (PubMed: 31434986).
Cellular Location	Endoplasmic reticulum membrane; Lipid-anchor. Cell membrane; Lipid-anchor