

Anti-liver Arginase Rabbit pAb



WL02825

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-liver Arginase Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IF	1:200
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background Arginase I (also designated liver-type arginase), which is expressed almost exclusively in the liver, catalyzes the conversion of arginine to ornithine and urea. Mammalian arginase is active as a trimer, but some bacterial arginases are hexameric. Arginase1 is activated by lactic acid in tumors to stimulate macrophages to help a tumor grow. When arginase1 was inhibited in a mouse model tumor size was greatly reduced. In addition, research studies have demonstrated that Arginase-1 distinguishes primary hepatocellular carcinoma (HCC) from metastatic tumors in the liver, indicating its value as a potential biomarker in the diagnosis of HCC.

Immunogen Polyclonal antibody is produced by immunizing animals with a synthetic peptide of liver Arginase.

Purification Polyclonal antibody was purified by immunogen affinity chromatography.

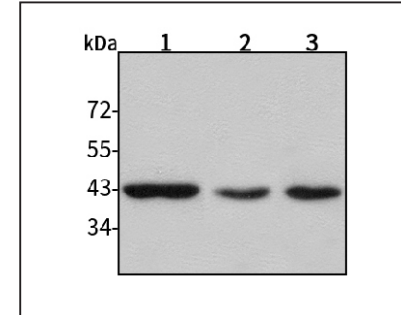
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Product Images



Western blot-Anti-liver Arginase pAb

Lane 1: Human HepG2 cell lysate

Lane 2: Mouse liver tissue lysate

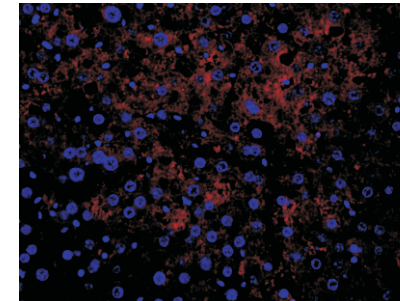
Lane 3: Rat liver tissue lysate

All lanes: Anti-liver Arginase at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 35 kDa

Observed band size: 38 kDa



Immunofluorescence-Anti-Arginase pAb

Immunofluorescence analysis of paraffin-embedded mouse liver using anti-Arginase Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0