

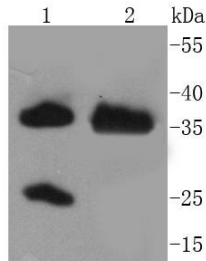
Anti-Arginase 1/ARG1 Antibody (3B969)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 35/25 kDa.
Clone:	3B969
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of ARG1 on different lysates using anti-ARG1 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat liver, Lane 2: Human liver.



Application:	IP,WB
Recommended	WB: 1:1000-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P05089
Synonyms:	ARG1;arginase 1

Research 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. The human arginase I gene, which maps to chromosome 6q23, encodes a 322 amino acid protein. Arginase I exists as a homotrimeric protein and contains a binuclear manganese cluster. Arginase II catalyzes the same reaction as arginase I, but differs in its tissue specificity and subcellular location. Specifically, arginase II localizes to the mitochondria. Arginase II is expressed in non-hepatic tissues, with the highest levels of expression in the kidneys, but, unlike arginase I, is not expressed in liver. The human arginase II gene, which maps to chromosome 14q24.1-q24.3, encodes a 354 amino acid protein. In addition, arginase II contains a putative amino-terminal mitochondrial localization sequence.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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