

Product datasheet for **TA388993**

Arg1 Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Guinea Pig, Human, Mouse, Rat
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	Full-length recombinant rat liver arginase I expressed in and purified from E. Coli.
Specificity:	Specific for endogenous levels of the ~35-38 kDa arginase I protein.
Formulation:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Concentration:	lot specific
Purification:	Total IgY fraction
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	35/38
Gene Name:	arginase 1
Database Link:	Entrez Gene 29221 Rat P05089
Background:	Arginase I, a cytosolic enzyme, is highly expressed in the liver and is a component of the urea cycle (Jenkinson et al, 1996). There are two isoforms of arginase, both catalyze the conversion of arginine to ornithine and urea, but differ based on subcellular localization, tissue distribution, and enzymatic properties (Jenkinson et al, 1996). Arginase I has been identified in macrophages in response to various pathogen exposures causing an upregulation of inducible nitric oxide synthase, iNOS, yielding increased levels of nitric oxide (Morris et al, 1998) and inflammation (Poljakovic et al, 2007).



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Synonyms: ARG1

Note: Total IgY fraction.