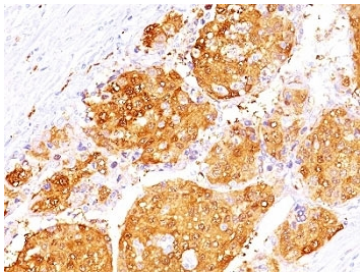
Arginase 1 Antibody Cocktail [clone ARG1/1125 + ARG1/1126] (V2653)

Catalog No.	Formulation	Size
V2653-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2653-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2653SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2653IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG3, kappa
Clone Name	ARG1/1125 + ARG1/1126
Purity	Protein G affinity chromatography
UniProt	P05089
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 min at RT
Limitations	This Arginase 1 antibody cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with Arginase 1 antibody (ARG1/1125 + ARG1/1126).

Description

Recognizes a protein of 35-38kDa, which is identified as Arginase 1 (ARG1). Arginase is a manganese metallo-enzyme that catalyzes the hydrolysis of arginine to generate ornithine and urea. Arginase I and II are isoenzymes, which differ in subcellular localization, regulation, and possibly function. Arginase I is a cytosolic enzyme, which is expressed mainly in the liver as part of the urea cycle, whereas arginase II is a mitochondrial protein found in a variety of tissues. Antibody to ARG-1 labels hepatocytes in normal tissues and granulocytes in peripheral blood. ARG-1 is a sensitive and specific marker for identification of hepatocellular carcinoma.

Application Notes

Optimal dilution of the Arginase 1 antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A recombinant fragment from amino acids 1-150 of human ARG1 was used as the immunogen for the Arginase 1 antibody cocktail.

Storage

Store the Arginase 1 antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com