

Datasheet for ABIN7157022
anti-IYD antibody (AA 24-147)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	IYD
Binding Specificity:	AA 24-147
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IYD antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Iodotyrosine deiodinase 1 protein (24-147AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IYD
Alternative Name:	IYD (IYD Products)
Background:	Background: Catalyzes the oxidative NADPH-dependent deiodination of monoiodotyrosine (L-MIT) or diiodotyrosine (L-DIT) (PubMed:15289438, PubMed:25395621, PubMed:18434651).

Target Details

Acts during the hydrolysis of thyroglobulin to liberate iodide, which can then reenter the hormone-producing pathways (PubMed:18434651). Acts more efficiently on monoiodotyrosine than on diiodotyrosine (PubMed:15289438).

Aliases: IYD antibody, C6orf71 antibody, DEHAL1 antibody, Iodotyrosine deiodinase 1 antibody, IYD-1 antibody, EC 1.21.1.1 antibody, Iodotyrosine dehalogenase 1 antibody

UniProt: [Q6PHW0](#)

Pathways: [Thyroid Hormone Synthesis](#)

Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

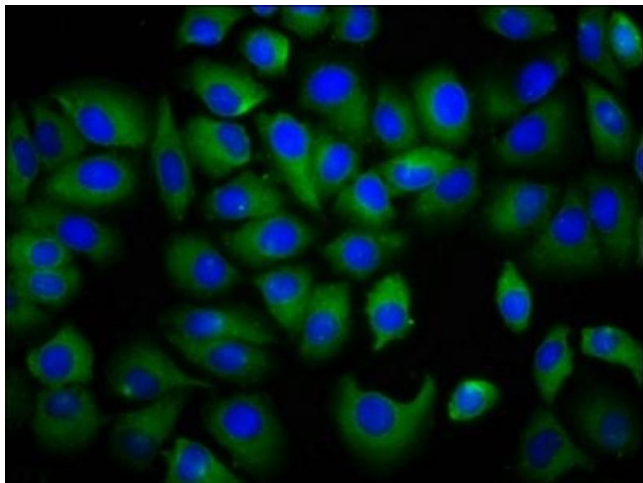
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7157022 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).