

Datasheet for ABIN2790550
anti-IYD antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	IYD
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Cow, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IYD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human IYD
Sequence:	NADRSMEKKK GEPRTAEAR PWVDEDLKDS SDLHQAEEDA DEWQESEENV
Predicted Reactivity:	Cow: 77%, Dog: 79%, Human: 100%, Rabbit: 79%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against IYD. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	IYD
Alternative Name:	IYD (IYD Products)
Background:	This gene encodes an enzyme that catalyzes the oxidative NADPH-dependent deiodination of

Target Details

mono- and diiodotyrosine, which are the halogenated byproducts of thyroid hormone production. The N-terminus of the protein functions as a membrane anchor. Mutations in this gene cause congenital hypothyroidism due to dysharmonogenesis type 4, which is also referred to as deiodinase deficiency, or iodotyrosine dehalogenase deficiency, or thyroid harmonogenesis type 4.

Alias Symbols: C6orf71, DEHAL1, TDH4, dJ422F24.1

Protein Interaction Partner: TRIM69,

Protein Size: 247

Molecular Weight: 27 kDa

Gene ID: 389434

NCBI Accession: [NM_001164695](#), [NP_001158167](#)

Pathways: [Thyroid Hormone Synthesis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 247 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. Host: Rabbit Target Name: IYD Sample Type: 293T
Whole Cell lysates Antibody Dilution: 1.0ug/ml