

IYD Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56599**Specification****IYD Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q6PHW0
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33360

IYD Polyclonal Antibody - Additional Information**Gene ID** 389434**Other Names**

Iodotyrosine deiodinase 1, IYD-1, 1.21.1.1, Iodotyrosine dehalogenase 1
{ECO:0000303|PubMed:15289438, ECO:0000303|Ref.2}, IYD {ECO:0000303|PubMed:25395621}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

IYD Polyclonal Antibody - Protein Information**Name** IYD {ECO:0000303|PubMed:25395621}**Function**

Catalyzes the dehalogenation of halotyrosines such as 3- bromo-L-tyrosine, 3-chloro-L-tyrosine, 3-iodo-L-tyrosine and 3,5- diiodo-L-tyrosine (PubMed:15289438, PubMed:18434651, PubMed:25395621, PubMed:28157283). During thyroid hormone biosynthesis, facilitates iodide salvage by catalysing the oxidative NADPH-dependent deiodination of the halogenated by-products of thyroid hormone production, monoiodotyrosine (L-MIT) and diiodotyrosine (L-DIT) (PubMed:15289438, PubMed:18434651). The scavenged iodide can then reenter the hormone- producing pathways (PubMed:15289438, PubMed:18434651). Acts more efficiently on 3-iodo-L-tyrosine than 3,5-diiodo-L-tyrosine (PubMed:15289438).

Cellular Location

Cell membrane; Single-pass membrane protein. Cytoplasmic vesicle membrane

Tissue Location

Expressed at a high level in thyroid gland (at protein level). Expressed at a high level in thyroid gland and at lower level in kidney and trachea.

IYD Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IYD Polyclonal Antibody - Images