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Datasheet for ABIN7156038
anti-IgD antibody (AA 1-240)

3 Images

Overview

Quantity:	100 µg
Target:	IgD
Binding Specificity:	AA 1-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IgD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Ig delta chain C region protein (1-240AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	IgD
Alternative Name:	IGHD (IgD Products)
Target Type:	Antibody
Background:	Background: IgD is the major antigen receptor isotype on the surface of most peripheral B-cells,

Target Details

where it is coexpressed with IgM. The membrane-bound IgD (mIgD) induces the phosphorylation of CD79A and CD79B by the Src family of protein tyrosine kinases. Soluble IgD (sIgD) concentration in serum below those of IgG, IgA, and IgM but much higher than that of IgE. IgM and IgD molecules present on B cells have identical V regions and antigen-binding sites. After the antigen binds to the B-cell receptor, the secreted form sIgD is shut off. IgD is a potent inducer of TNF, IL1B, and IL1RN. IgD also induces release of IL6, IL10, and LIF from peripheral blood mononuclear cells. Monocytes seem to be the main producers of cytokines in vitro in the presence of IgD.

Aliases: IGHD antibody, Immunoglobulin heavy constant delta antibody, Ig delta chain C region antibody, Ig delta chain C region NIG-65 antibody, Ig delta chain C region WAH antibody

UniProt: [P01880](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

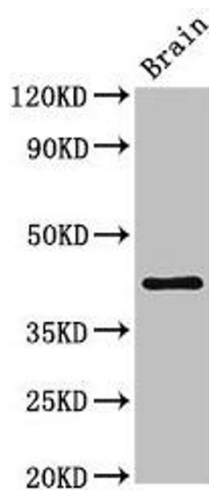
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

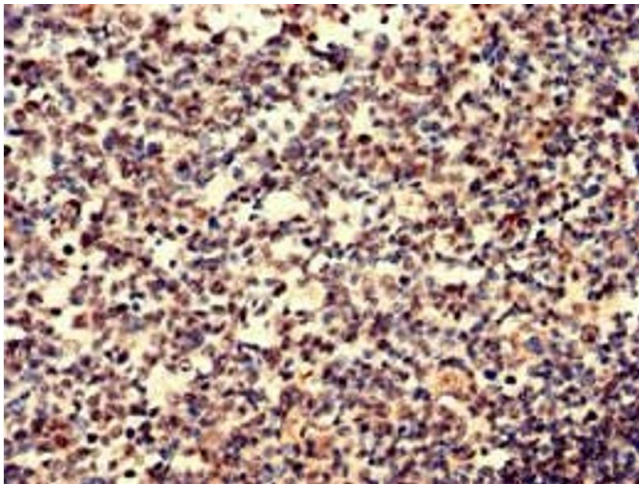
Storage: -20 °C,-80 °C

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



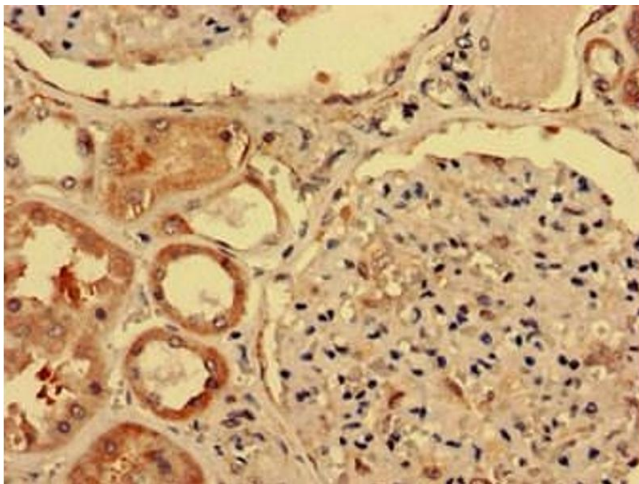
Western Blotting

Image 1. Western Blot Positive WB detected in: Mouse brain tissue All lanes: IGHD antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 43, 38 kDa Observed band size: 43 kDa



Immunohistochemistry

Image 2. Immunohistochemistry analysis of human tonsil tissue using ABIN7156038 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry analysis of human kidney tissue using ABIN7156038 at dilution of 1:100