

H2-D1 Rabbit pAb

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Catalog # AP55982

Product Information

Application	WB
Primary Accession	P01900
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41110
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse H-2Dd
Epitope Specificity	51-150/365
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Predicted to enable several functions, including 14-3-3 protein binding activity; TAP binding activity; and signaling receptor binding activity. Acts upstream of or within antigen processing and presentation of endogenous peptide antigen via MHC class I via ER pathway, TAP-dependent; negative regulation of neuron projection development; and positive regulation of T cell mediated cytotoxicity. Located in external side of plasma membrane. Colocalizes with membrane raft. Is expressed in several structures, including alimentary system; brain; early conceptus; genitourinary system; and hemolymphoid system gland. Human ortholog(s) of this gene implicated in several diseases, including asthma (multiple); autoimmune disease (multiple); eye disease (multiple); human immunodeficiency virus infectious disease (multiple); and inner ear disease (multiple). Orthologous to several human genes including HLA-A (major histocompatibility complex, class I, A); HLA-B (major histocompatibility complex, class I, B); and HLA-C (major histocompatibility complex, class I, C). [provided by Alliance of Genome Resources, Apr 2022]

Additional Information

Other Names	H-2 class I histocompatibility antigen, D-D alpha chain, H-2D(D), H2-D1
Dilution	WB=1:500-2000
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.

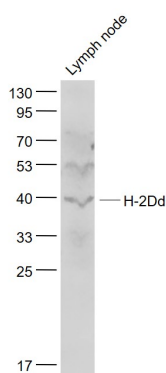
Protein Information

Name	H2-D1
Function	Involved in the presentation of foreign antigens to the immune system.
Cellular Location	Membrane; Single-pass type I membrane protein.

Background

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Images



Sample:
Lymph node (Mouse) Lysate at 40 ug
Primary: Anti- H-2Dd (AP55982) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 39 kD

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