

CD40/TNFRSF5 Rabbit pAb

Catalog # AP100198

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P25942
Other Accession	P25942
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30619
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CD40/TNFRSF5.
Epitope Specificity	201-277/277
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 4 TNFR-Cys repeats.
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 antigen binding activity; protein domain specific binding activity; and ubiquitin protein ligase binding activity. Involved in B cell mediated immunity; CD40 signaling pathway; and cellular calcium ion homeostasis. Acts upstream of or within several processes, including defense response to other organism; positive regulation of B cell activation; and positive regulation of interleukin-12 production. Located in external side of plasma membrane and intracellular membrane-bounded organelle. Part of CD40 receptor complex. Is expressed in several structures, including alimentary system; brain; hemolymphoid system gland; liver and biliary system; and reproductive system. Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; autoimmune disease (multiple); end stage renal disease; hyperimmunoglobulin syndrome (multiple); and non-Hodgkin lymphoma (multiple). Orthologous to human CD40 (CD40 molecule). [provided by Alliance of Genome Resources, Apr 2022]

Additional Information

Gene ID	958
Other Names	Bp50; CDW40; TNFRSF5; p50; GP39; HIGM1; IGM; IMD3; T-BAM; TRAP; TNFR5_HUMAN; CD40; B-cell surface antigen CD40; CD40L receptor; TNFR5_MOUSE; CD40 molecule; tumor necrosis factor receptor superfamily, member 5; CD40 molecule, TNF receptor superfamily member 5
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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.
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Protein Information

Name	CD40
Synonyms	TNFRSF5
Function	Receptor for TNFSF5/CD40LG (PubMed: 31331973). Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion (By similarity).
Cellular Location	[Isoform I]: Cell membrane; Single-pass type I membrane protein
Tissue Location	B-cells and in primary carcinomas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.