

## **Affinity Biosciences** website:www.affbiotech.com

## CD40L Ab

Images(1)

Mol.Wt.: 29kDa Cat.#: DF6097 Concn.: ~1mg/ml Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200

\*The optimal dilutions should be determined by the end user.

Human, Mouse, Rat Reactivity:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% Storage:

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using

SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

A synthesized peptide derived from human CD40L, corresponding to a Immunogen:

region within the internal amino acids.

P29965 Uniprot:

Description: CD40 Ligand (CD40L), a member of the TNF superfamily of ligands, is

expressed as either a membrane-bound or soluble homotrimer. Both membrane-bound and soluble forms of CD40L have biological activity (1,2). CD40L is expressed primarily on activated T cells; however, mast cells, basophils, and NK cells may also express CD40L . CD40L functions as an important T cell co-stimulatory molecule and enhances T-dependent B cell responses (1,2). CD40L binds CD40, which is a receptor expressed on B cells, dendritic cells, and macrophages . Binding of CD40L to CD40 leads to the recruitment of TRAF proteins (TRAFs 2,3,5, and 6) resulting in the

activation of the JNK and NF-?B pathways (1,2).



Western blot analysis of mouse small intestine lysates using CD40LG Ab. The lane on the left was treated with the antigen-specific peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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