

CD70 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51058

Specification

CD70 Antibody - Product Information

Application	WB, IP, E
Primary Accession	P32970
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29 KDa

CD70 Antibody - Additional Information

Gene ID 970

Other Names

CD70 antigen, CD27 ligand, CD27-L, Tumor necrosis factor ligand superfamily member 7, CD70, CD70, CD27L, CD27LG, TNFSF7

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CD70 Antibody - Protein Information

Name CD70 ([HGNC:11937](#))

Function

Expressed at the plasma membrane of B cells, it is the ligand of the CD27 receptor which is specifically expressed at the surface of T cells (PubMed: [28011863](http://www.uniprot.org/citations/28011863), PubMed: [28011864](http://www.uniprot.org/citations/28011864), PubMed: [8387892](http://www.uniprot.org/citations/8387892)). The CD70-CD27 signaling pathway mediates antigen-specific T cell activation and expansion which in turn provides immune surveillance of B cells (PubMed: [28011863](http://www.uniprot.org/citations/28011863), PubMed: [28011864](http://www.uniprot.org/citations/28011864)).

Cellular Location

Cell membrane; Single-pass type II membrane protein

CD70 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](#)

CD70 Antibody - Images

CD70 Antibody - Background

Cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.

CD70 Antibody - References

Goodwin R.G., et al. Cell 73:447-456(1993).

Bowman M.R., et al. J. Immunol. 152:1756-1761(1994).

Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Livingston R.J., et al. Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.