

# CD70 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51058

## Product Information

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Application	WB, IP
Primary Accession	<a href="#">P32970</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21118

## Additional Information

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Gene ID	970
Other Names	CD70 antigen, CD27 ligand, CD27-L, Tumor necrosis factor ligand superfamily member 7, CD70, CD70, CD27L, CD27LG, TNFSF7
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD70. The exact sequence is proprietary.
Dilution	WB~~1:1000 IP~~N/A
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

## Protein Information

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Name	CD70 ( <a href="#">HGNC:11937</a> )
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: <a href="#">28011863</a> , PubMed: <a href="#">28011864</a> , PubMed: <a href="#">8387892</a> ). The CD70- CD27 signaling pathway mediates antigen-specific T cell activation and expansion which in turn provides immune surveillance of B cells (PubMed: <a href="#">28011863</a> , PubMed: <a href="#">28011864</a> ).
Cellular Location	Cell membrane; Single-pass type II membrane protein

## Background

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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.

## References

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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.

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