10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD70 Antibody

Catalog # AP51058

Product Information

Application	WB
Primary Accession	P32970
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21118

Additional Information

Gene ID	970
Other Names	CD27L; CD27LG; TNFSF7; CD70 antigen; CD27 ligand; CD27-L; Tumor necrosis factor ligand superfamily member 7; CD70
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD70. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

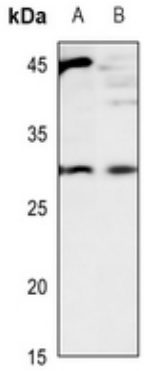
Name	CD70 (HGNC:11937)
Function	Expressed at the plasma membrane of B cells, it is the ligand of the CD27 receptor which is specifically expressed at the surface of T cells (PubMed:28011863, PubMed:28011864, PubMed:8387892). The CD70- CD27 signaling pathway mediates antigen-specific T cell activation and expansion which in turn provides immune surveillance of B cells (PubMed:28011863, PubMed:28011864).
Cellular Location	Cell membrane; Single-pass type II membrane protein

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.

Images



Western blot analysis of CD70 expression in HEK293T (A), rat testis (B) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 29 kD)

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