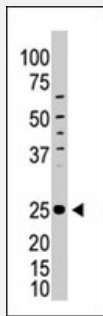


ICOS polyclonal antibody

Catalog # PAB4726

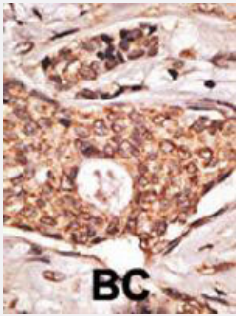
Size 400 uL

Applications



Western Blot (Cell lysate)

The ICOS polyclonal antibody (Cat # PAB4726) is used in Western blot to detect ICOS in HL-60 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with ICOS polyclonal antibody (Cat # PAB4726), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ICOS.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human ICOS.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The ICOS polyclonal antibody (Cat # PAB4726) is used in Western blot to detect ICOS in HL-60 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — ICOS

Entrez GeneID	29851
Protein Accession#	NP_036224
Gene Name	ICOS
Gene Alias	AILIM, CD278, MGC39850
Gene Description	inducible T-cell co-stimulator
Omim ID	604558 607594
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. [provided by RefSeq]
Other Designations	activation-inducible lymphocyte immunomediatory molecule inducible costimulator

Publication Reference

- [PI3-kinase and MAP-kinase signaling cascades in AILIM/ICOS- and CD28-costimulated T-cells have distinct functions between cell proliferation and IL-10 production.](#)
Okamoto N, Tezuka K, Kato M, Abe R, Tsuji T.
Biochemical and Biophysical Research Communications 2003 Oct; 310(3):691.
- [Expression and function of the co-stimulator H4/ICOS on activated T cells of patients with rheumatoid arthritis.](#)
Okamoto T, Saito S, Yamanaka H, Tomatsu T, Kamatani N, Ogiuchi H, Uchiyama T, Yagi J.
The Journal of Rheumatology 2003 Jun; 30(6):1157.

Application: Flow Cyt, Func, Human, Human PBMCs, T cells
- [Modulation of TCR-induced transcriptional profiles by ligation of CD28, ICOS, and CTLA-4 receptors.](#)
Riley JL, Mao M, Kobayashi S, Biery M, Burchard J, Cavet G, Gregson BP, June CH, Linsley PS.
PNAS 2002 Sep; 99(18):11790.

Application: Bead, Recombinant protein

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Cholangitis](#)

- [Chronic Disease](#)
- [Common Variable Immunodeficiency](#)
- [Diabetes Mellitus](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [IgA Deficiency](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Multiple Sclerosis](#)
- [Periodontitis](#)
- [Recurrence](#)
- [Uterine Cervical Neoplasms](#)