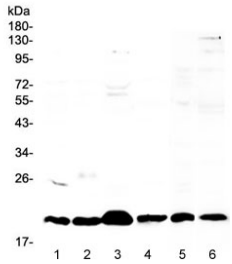
ICOS Antibody (RQ4012)

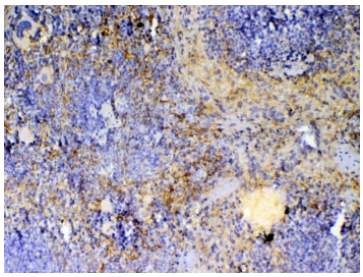
Catalog No.	Formulation	Size
RQ4012	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

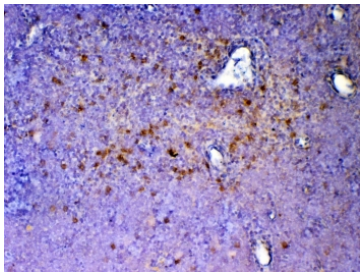
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9WVS0
Localization	Cytoplasmic, cell membrane
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This ICOS antibody is available for research use only.



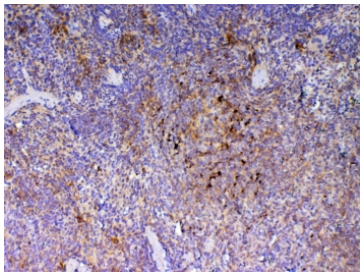
Western blot testing of 1) mouse stomach, 2) mouse spleen, 3) mouse thymus, 4) mouse small intestine, 5) rat thymus and 6) human placental lysate with ICOS antibody at 0.5ug/ml. Predicted molecular weight ~23 kDa.



IHC testing of FFPE mouse spleen tissue with ICOS antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse thymus tissue with ICOS antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat spleen tissue with ICOS antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Inducible T-cell costimulator is an immune checkpoint protein that in humans is encoded by the ICOS gene. 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.

Application Notes

Optimal dilution of the ICOS antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids E21-S200 was used as the immunogen for the ICOS antibody.

Storage

After reconstitution, the ICOS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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