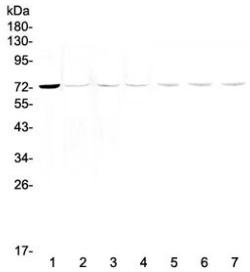
Tec Antibody (RQ4064)

Catalog No.	Formulation	Size
RQ4064	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	P42680
Applications	Western Blot: 0.5-1ug/ml
Limitations	This Tec antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) MCF7, 3) COLO320, 4) HepG2, 5) rat stomach, 6) mouse stomach and 7) mouse heart lysate with Tec antibody at 0.5ug/ml. Predicted molecular weight ~73 kDa.

Description

TEC (TEC Protein Tyrosine Kinase) is an enzyme that in humans is encoded by the TEC gene. The protein encoded by this gene belongs to the Tec family of non-receptor protein-tyrosine kinases containing a pleckstrin homology domain. By fluorescence in situ hybridization, Sato et al. (1994) mapped the gene to 4p12, the same location reported for TXK. Mouse Tec is a non-receptor type protein-tyrosine kinase that is highly expressed in many hematopoietic cell lines. Hantschel et al. (2007) identified TEC kinase and BTK kinase as major binders of the tyrosine kinase inhibitor dasatinib, which is used for treatment of BCR/ABL-positive CML.

Application Notes

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

Immunogen

Amino acids HDANTLYIFAPSPQSRDLWVKKLKEEIKNNNNIMIKYHPK from the human protein were used as the immunogen for the Tec antibody.

Storage

After reconstitution, the Tec 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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