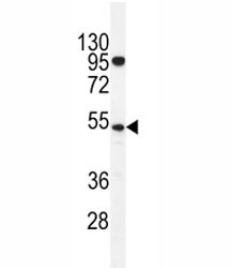
TdT Antibody / DNA nucleotidylexotransferase (F41538)

Catalog No.	Formulation	Size
F41538-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41538-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P04053
Applications	Western blot: 1:1000
Limitations	This TdT antibody is available for research use only.



TdT antibody western blot analysis in K562 lysate. Predicted molecular weight ~55 kDa.

Description

This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants

encoding different isoforms of this gene have been described.

This antibody can be compared with our TdT Antibody (clone TDT/1393) for detection of terminal deoxynucleotidyl transferase in lymphoid precursor cells and hematologic malignancy studies.

Application Notes

Titration of the TdT antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 438-467 from human DNA nucleotidylexotransferase was used as the immunogen for this TdT antibody.

Storage

Aliquot the TdT antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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