

CO044 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11005b

Specification

CO044 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q96SY0
Other Accession	Q66H58 , Q8R3P6 , Q5EA76 , NP_110427.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57471
Antigen Region	358-386

CO044 Antibody (C-term) - Additional Information

Gene ID 81556

Other Names

von Willebrand factor A domain-containing protein 9, VWA9, C15orf44

Target/Specificity

This CO044 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 358-386 amino acids from the C-terminal region of human CO044.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CO044 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CO044 Antibody (C-term) - Protein Information

Name INTS14 {ECO:0000303|PubMed:38823386, ECO:0000312|HGNC:HGNC:25372}

Function Component of the integrator complex, a multiprotein complex that terminates RNA polymerase II (Pol II) transcription in the promoter-proximal region of genes (PubMed:[38570683](#), PubMed:[38823386](#)). The integrator complex provides a quality checkpoint during transcription elongation by driving premature transcription termination of transcripts that are unfavorably configured for transcriptional elongation: the complex terminates transcription by (1) catalyzing dephosphorylation of the C-terminal domain (CTD) of Pol II subunit POLR2A/RPB1 and SUPT5H/SPT5, (2) degrading the exiting nascent RNA transcript via endonuclease activity and (3) promoting the release of Pol II from bound DNA (PubMed:[38570683](#)). The integrator complex is also involved in terminating the synthesis of non-coding Pol II transcripts, such as enhancer RNAs (eRNAs), small nuclear RNAs (snRNAs), telomerase RNAs and long non-coding RNAs (lncRNAs) (PubMed:[32647223](#)). Within the integrator complex, INTS14 is part of the integrator tail module that acts as a platform for the recruitment of transcription factors at promoters (PubMed:[38823386](#), PubMed:[38906142](#)).

Cellular Location

Nucleus.

Tissue Location

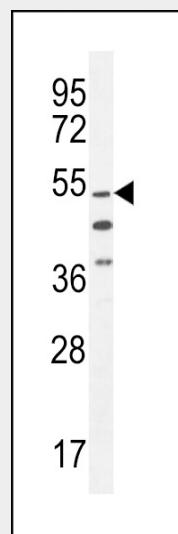
Strongly expressed in numerous cancer cells compared with their non-cancerous counterparts (lung, prostate, colon, stomach and skin).

CO044 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CO044 Antibody (C-term) - Images



CO044 Antibody (C-term) (Cat. #AP11005b) western blot analysis in HL-60 cell line lysates

(35ug/lane). This demonstrates the CO044 antibody detected the CO044 protein (arrow).

CO044 Antibody (C-term) - References

Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010)
Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)