

Anti-POT1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

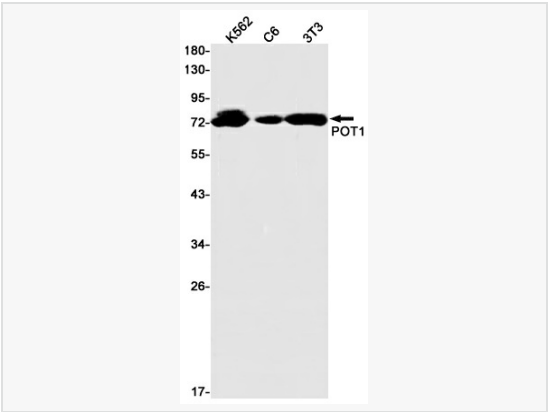
Catalog # R012285

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	83M88L37
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human POT1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-POT1 antibody [83M88L37] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	POT1, Protection of telomeres protein 1, hPot1, POT1-like telomere end-binding protein.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 71 kDa
Uniprot ID	Q9NUX5
Gene ID	25913
Background	This gene is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis and its progression. Alternatively spliced transcript variants have been described.



Western blot analysis of POT1 in K562, C6, 3T3 lysates using POT1 antibody.